

SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30					1. REQUISITION NUMBER		PAGE 1 OF 23			
2. CONTRACT NO.		3. AWARD/EFFECTIVE DATE		4. ORDER NUMBER		5. SOLICITATION NUMBER FA8730-04-R-0002		6. SOLICITATION ISSUE DATE 15 APR 2004		
7. FOR SOLICITATION INFORMATION CALL:		a. NAME THOMAS A. KOVACS				b. TELEPHONE NUMBER (No collect calls) (781) 377-3734		8. OFFER DUE DATE/ LOCAL TIME 03 MAY 2004/1200 L		
9. ISSUED BY ESC/GAK CODE FA8730 ESC/GAK, (AS AGENT FOR AIT AIR FORCE MATERIEL COMMAND, USAF 75 VANDENBERG DR, BLDG 1630 HANSCOM AFB, MA 01731-2103 THOMAS A. KOVACS (781) 377-3734 KOVACS@HANSCOM.AF.MIL					10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED <input type="checkbox"/> SET ASIDE: % FOR <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> 8(A) NAICS: 811212 SIZE STANDARD:		11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input checked="" type="checkbox"/> SEE SCHEDULE <input checked="" type="checkbox"/> 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) 13b. RATING DO-A7 14. METHOD OF SOLICITATION <input type="checkbox"/> RFQ <input type="checkbox"/> IFB <input checked="" type="checkbox"/> RFP		12. DISCOUNT TERMS	
15. DELIVER TO CODE SEE SF1449 Continuation					16. ADMINISTERED BY CODE					
17a. CONTRACTOR/ OFFEROR CODE FACILITY CODE					18a. PAYMENT WILL BE MADE BY CODE					
<div style="font-size: 48px; opacity: 0.3; position: relative;"> FOREIGN MILITARY SALES (FMS) FMS CASE M-U-D </div>										
TELEPHONE NO.					17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER					
19. ITEM NO.					20. SCHEDULE OF SUPPLIES/SERVICES		21. QUANTITY		22. UNIT	
					23. UNIT PRICE		24. AMOUNT			
25. ACCOUNTING AND APPROPRIATION DATA					26. TOTAL AWARD AMOUNT (For Govt. Use Only)					
<input checked="" type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA <input checked="" type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED. <input type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.										
28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.					29. AWARD OF CONTRACT: REF. OFFER DATED YOUR OFFER ON SOLICITATION (BLOCK 5) INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: SEE CONTINUATION.					
30a. SIGNATURE OF OFFEROR/CONTRACTOR					31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)					
30b. NAME AND TITLE OF SIGNER (Type or print)			30c. DATE SIGNED		31b. NAME OF CONTRACTING OFFICER (Type or print)			31c. DATE SIGNED		
32a. QUANTITY IN COLUMN 21 HAS BEEN <input type="checkbox"/> RECEIVED <input type="checkbox"/> INSPECTED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED										
32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				32c. DATE		32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE					32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
					32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
33. SHIP NUMBER		34. VOUCHER NUMBER		35. AMT VERIFIED CORRECT FOR		36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		37. CHECK NUMBER		
<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL										
38. S/R ACCT NUMBER		39. S/R VOUCHER NUMBER		40. PAID BY						
41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT					42a. RECEIVED BY (Print)					
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER				41c. DATE		42b. RECEIVED AT (Location)				
						42c. DATE REC'D (YY/MM/DD)		42d. TOTAL CONTAINERS		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
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INSTRUMENT LANDING SYSTEM (ILS)**0001**

3

Each

Noun: INSTRUMENT LANDING SYSTEM (ILS)
ACRN: U
NSN: N - Not Applicable
Contract type: J - FIRM FIXED PRICE
Inspection: SOURCE
Acceptance: SOURCE
FOB: SOURCE

Descriptive Data:

- A. The contractor shall provide all necessary personnel, materials, equipment and services to produce and deliver the ILSs, IAW attached ILS Statement of Work (SOW atch 1) and ILS System Requirements Document (SRD atch 2).
- B. Includes a 5 year commercial warranty with annual maintenance visits.
- C. This CLIN 0001 also includes the price of CLIN 0013.
- D. This CLIN is fully funded.
- E. This is a Firm Fixed Price CLIN.

0002

2

Each

Noun: ILS SHELTERS
ACRN: U
NSN: N - Not Applicable
Contract type: J - FIRM FIXED PRICE
Inspection: SOURCE
Acceptance: SOURCE
FOB: SOURCE

Descriptive Data:

- A. The contractor shall provide all necessary personnel, materials, equipment and services to produce and deliver two (2) ILS shelters for Masirah, IAW attached ILS Statement of Work (SOW atch 1) and ILS System Requirements Document (SRD atch 2).
- B. Includes five year commercial warranty.
- C. This CLIN is fully funded.
- D. This is a Firm Fixed Price CLIN.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0003	OPTION CLIN (supply)		
	<p><i>Noun:</i> OPTION FOR ADDITIONAL ILS SHELTERS</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p><i>Inspection:</i> SOURCE</p> <p><i>Acceptance:</i> SOURCE</p> <p><i>FOB:</i> SOURCE</p> <p><i>Descriptive Data:</i></p> <p>A. The contractor shall provide all necessary personnel, materials, equipment and services to produce and deliver up to four (4) additional ILS shelters for Masirah and Thumrait, IAW attached ILS Statement of Work (SOW atch 1) and ILS System Requirements Document (SRD atch 2).</p> <p>B. Includes five year commercial warranty.</p> <p>C. This is a Firm Fixed Price CLIN.</p> <p>D. The Government may exercise this option one (1) time, at which time the Government may order 1 or 2 or 3 or 4 ILS shelters. The Government may exercise this option at any time, but not later than sixty (60) days after Government approval of the Site Survey Report under CDRL A001. The Government is not required to give the contractor advanced notice of its intent to exercise this option.</p> <p>E. The Unit Price for each ILS Shelter is \$_____. If this option is exercised, then the Total Item Amount of this CLIN shall be the specified Unit Price multiplied times the quantity (i.e. 1 or 2 or 3 or 4) that the Government decides to order.</p> <p>F. If this option is exercised, the "Supplies Schedule Data" section of this contract shall be modified to indicate the following delivery schedule for the item(s) ordered under this CLIN:</p> <p style="padding-left: 40px;">Fifteen (15) months after option exercise.</p>		
0004		3 Each	
	<p><i>Noun:</i> ILS MIDDLE MARKERS</p> <p><i>ACRN:</i> U</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p><i>Inspection:</i> SOURCE</p> <p><i>Acceptance:</i> SOURCE</p> <p><i>FOB:</i> SOURCE</p> <p><i>Descriptive Data:</i></p> <p>A. The contractor shall provide all necessary personnel, materials, equipment and services to produce and deliver three (3) Middle Markers for ILS installations, IAW attached ILS Statement of Work (SOW atch 1) and ILS System Requirements Document (SRD atch 2).</p> <p>B. Includes five year commercial warranty.</p> <p>C. This CLIN is fully funded.</p> <p>D. This is a Firm Fixed Price CLIN.</p>		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0005		1 Lot	
	Noun:	ILS SPARE PARTS	
	ACRN:	U	
	NSN:	N - Not Applicable	
	Contract type:	J - FIRM FIXED PRICE	
	Inspection:	SOURCE	
	Acceptance:	SOURCE	
	FOB:	SOURCE	
	Descriptive Data:		
	A. The contractor shall provide unclassified spare parts sufficient to maintain the Instrument Landing Systems (ILS), the middle markers, and the ILS shelters, all for three (3) years at each designated airfield, IAW attached ILS Statement of Work (SOW atch 1) and ILS System Requirements Document (SRD atch 2).		
	B. This CLIN is fully funded.		
	C. This is a Firm Fixed Price CLIN.		
0006		1 Each	
	Noun:	ILS TEST EQUIPMENT	
	ACRN:	U	
	NSN:	N - Not Applicable	
	Contract type:	J - FIRM FIXED PRICE	
	Inspection:	SOURCE	
	Acceptance:	SOURCE	
	FOB:	SOURCE	
	Descriptive Data:		
	A. The contractor shall provide specialized tools and equipment required for normal operation and maintenance of the systems in CLINs 0001 and 0004.		
	B. Includes five year commercial warranty.		
	C. This CLIN is fully funded.		
	D. This is a Firm Fixed Price CLIN.		
0007		1 Lot	
	Noun:	ILS SITE SURVEYS	
	ACRN:	U	
	NSN:	N - Not Applicable	
	Contract type:	J - FIRM FIXED PRICE	
	Inspection:	DESTINATION	
	Acceptance:	DESTINATION	
	FOB:	DESTINATION	
	Descriptive Data:		
	A. The contractor shall provide all the necessary personnel, materials, equipment and services to conduct Site Surveys at designated airfields, IAW Statement of Work (SOW atch 1).		
	B. All documentation shall be in English		
	C. This CLIN is fully funded.		
	D. This is a Firm Fixed Price CLIN.		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0008	<p data-bbox="906 285 922 312">1</p> <p data-bbox="906 317 943 344">Lot</p> <p data-bbox="428 344 1060 583"> <i>Noun:</i> ILS INSTALLATION & SAT <i>ACRN:</i> U <i>NSN:</i> N - Not Applicable <i>Contract type:</i> J - FIRM FIXED PRICE <i>Inspection:</i> DESTINATION <i>Acceptance:</i> DESTINATION <i>FOB:</i> DESTINATION <i>Descriptive Data:</i> A. The contractor shall provide all the necessary personnel, materials, equipment and services to install and perform site acceptance test (SAT) of three ILSs described in CLIN 0001 and middle markers described in CLIN 0004, IAW the attached ILS Statement of Work (SOW atch 1) and ILS System Requirements Document (SRD atch 2). B. This CLIN is fully funded. C. This is a Firm Fixed Price CLIN. </p>	1	
0009	<p data-bbox="906 898 943 926">Lot</p> <p data-bbox="428 926 1016 1377"> <i>Noun:</i> ILS TRAINING <i>ACRN:</i> U <i>NSN:</i> N - Not Applicable <i>Contract type:</i> J - FIRM FIXED PRICE <i>Inspection:</i> DESTINATION <i>Acceptance:</i> DESTINATION <i>FOB:</i> DESTINATION <i>Descriptive Data:</i> A. The contractor shall provide all the necessary personnel and materials for unclassified in-country training. The effort will consist of operator equipment familiarization and organizational-level training for the ILS equipment being provided, IAW the attached ILS SOW Atch 1. Classroom and training equipment will be provided by the Country of Oman. B. This CLIN is fully funded. C. This is a Firm Fixed Price CLIN. </p>	1	

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0010	<p data-bbox="428 373 748 405"><i>Noun:</i></p> <p data-bbox="428 436 748 468"><i>ACRN:</i></p> <p data-bbox="428 468 748 499"><i>NSN:</i></p> <p data-bbox="428 499 748 531"><i>Contract type:</i></p> <p data-bbox="428 531 748 562"><i>Inspection:</i></p> <p data-bbox="428 562 748 594"><i>Acceptance:</i></p> <p data-bbox="428 594 748 625"><i>FOB:</i></p> <p data-bbox="428 625 748 657"><i>Descriptive Data:</i></p> <p data-bbox="428 657 748 804">A. The contractor shall provide all the necessary personnel, materials, equipment and services required to provide technical assistance for the initial Commissioning Flight Test of the ILS equipment at each designated airfield. This shall be accomplished IAW the attached ILS Statement of Work (SOW atch 1) and ILS System Requirements Document (SRD atch 2).</p> <p data-bbox="428 804 748 835">B. This CLIN is fully funded.</p> <p data-bbox="428 835 748 863">C. This is a Firm Fixed Price CLIN.</p>	<p data-bbox="906 310 1032 342">1</p> <p data-bbox="906 342 1032 373">Lot</p> <p data-bbox="740 373 1365 436">ILS TECHNICAL SUPPORT FOR COMMISSIONING FLIGHT</p> <p data-bbox="740 436 760 468">U</p> <p data-bbox="740 468 954 499">N - Not Applicable</p> <p data-bbox="740 499 1016 531">J - FIRM FIXED PRICE</p> <p data-bbox="740 531 919 562">DESTINATION</p> <p data-bbox="740 562 919 594">DESTINATION</p> <p data-bbox="740 594 919 625">DESTINATION</p>	<p data-bbox="1240 310 1474 342"></p> <p data-bbox="1240 342 1474 373"></p>
0011	<p data-bbox="428 919 748 951">OPTION CLIN (supply)</p> <p data-bbox="428 982 748 1014"><i>Noun:</i></p> <p data-bbox="428 1014 748 1045"><i>NSN:</i></p> <p data-bbox="428 1045 748 1077"><i>Contract type:</i></p> <p data-bbox="428 1077 748 1108"><i>Inspection:</i></p> <p data-bbox="428 1108 748 1140"><i>Acceptance:</i></p> <p data-bbox="428 1140 748 1171"><i>FOB:</i></p> <p data-bbox="428 1171 748 1203"><i>Descriptive Data:</i></p> <p data-bbox="428 1203 748 1318">A. The contractor shall provide aircraft services, personnel and associated equipment to perform the initial Commissioning Flight Test of the ILS equipment, IAW the attached ILS Statement of Work (SOW atch 1) and ILS System Requirements Document (SRD atch 2), at each designated airfield.</p> <p data-bbox="428 1318 748 1350">B. This is a Firm Fixed Price CLIN.</p> <p data-bbox="428 1350 748 1476">C. The Government may exercise this option at any time, but not later than six (6) months after completion of installation of ILS Systems. The Government is not required to give the contractor advanced notice of its intent to exercise this option.</p> <p data-bbox="428 1476 748 1539">D. The Total Price for ILS Commissioning Flight Test is \$_____. If this option is exercised, then the Total Item Amount of this CLIN shall be specified.</p> <p data-bbox="428 1539 748 1623">E. If this option is exercised, the "Supplies Schedule Data" section of this contract shall be modified to indicate the following delivery schedule for the item(s) ordered under this CLIN:</p> <p data-bbox="505 1623 987 1652">Fifteen (15) months after option exercise.</p>	<p data-bbox="740 982 1357 1014">OPTION FOR ILS COMMISSIONING FLIGHT TEST</p> <p data-bbox="740 1014 954 1045">N - Not Applicable</p> <p data-bbox="740 1045 1016 1077">J - FIRM FIXED PRICE</p> <p data-bbox="740 1077 919 1108">DESTINATION</p> <p data-bbox="740 1108 919 1140">DESTINATION</p> <p data-bbox="740 1140 919 1171">DESTINATION</p>	<p data-bbox="1240 919 1474 951"></p>

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0012	<p><i>Noun:</i> ILS PUBLICATIONS</p> <p><i>ACRN:</i> U</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p><i>Inspection:</i> DESTINATION</p> <p><i>Acceptance:</i> DESTINATION</p> <p><i>FOB:</i> DESTINATION</p> <p><i>Descriptive Data:</i></p> <p>A. The contractor shall provide three (3) full sets of operation and maintenance manuals for each Instrument Landing System (ILS) and one (1) full set for HQ, RAFO. Publications will be released in accordance with AFMAN 16-101, paragraph 4.40.2 and written in English.</p> <p>B. Deliver data in accordance with the Statement of Work (SOW atch 1) and Exhibit A, Contract Data Requirements List, DD Form 1423.</p> <p>C. Place of delivery is the Addressee(s) on Exhibit A.</p> <p>D. This CLIN is fully funded.</p> <p>E. This is a Firm Fixed Price CLIN.</p>	1 Lot	
0013	<p><i>Noun:</i> DATA</p> <p><i>ACRN:</i> U</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p><i>Inspection:</i> DESTINATION</p> <p><i>Acceptance:</i> DESTINATION</p> <p><i>FOB:</i> DESTINATION</p> <p><i>Descriptive Data:</i></p> <p>A. The contractor shall provide Data in support of CLINs 0001 through 0012, IAW the documents set forth in Contract Data Requirements List (CDRL), Exhibit A.</p> <p>B. The Price of this Data is included in the Price of CLIN 0001.</p> <p>C. Documentation shall be in English.</p>	1 Lot	

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0014	<p data-bbox="428 373 1016 583"> <i>Noun:</i> VORTAC SYSTEMS <i>ACRN:</i> U <i>NSN:</i> N - Not Applicable <i>Contract type:</i> J - FIRM FIXED PRICE <i>Inspection:</i> SOURCE <i>Acceptance:</i> SOURCE <i>FOB:</i> SOURCE <i>Descriptive Data:</i> A. The contractor shall provide all necessary personnel, materials, equipment and services to produce and deliver VORTACs, VHF Omni Directional Range / Tactical Air Navigation (UHF) Systems, IAW attached VORTAC Statement of Work (SOW atch 3) and VORTAC System Requirements Document (SRD atch 4). B. Includes a 5 year commercial warranty with annual maintenance visits. C. This CLIN is fully funded. D. This is a Firm Fixed Price CLIN. E. Includes the price of CLIN 0025. </p>	2 Each	
0015	<p data-bbox="428 1014 1016 1224"> <i>Noun:</i> VORTAC SHELTERS <i>ACRN:</i> U <i>NSN:</i> N - Not Applicable <i>Contract type:</i> J - FIRM FIXED PRICE <i>Inspection:</i> SOURCE <i>Acceptance:</i> SOURCE <i>FOB:</i> SOURCE <i>Descriptive Data:</i> A. The contractor shall provide all necessary personnel, materials, equipment and services to produce and deliver one VORTAC shelter, IAW attached VORTAC Statement of Work (SOW atch 3) and VORTAC System Requirements Document (SRD atch 4). B. Includes five year commercial warranty. C. This CLIN is fully funded. D. This is a Firm Fixed Price CLIN. </p>	1 Each	

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0016	OPTION CLIN (supply)		
	<i>Noun:</i> OPTION FOR ADDITIONAL VORTAC SHELTER <i>NSN:</i> N - Not Applicable <i>Contract type:</i> J - FIRM FIXED PRICE <i>Inspection:</i> SOURCE <i>Acceptance:</i> SOURCE <i>FOB:</i> SOURCE		
	<i>Descriptive Data:</i> A. The contractor shall provide all necessary personnel, materials, equipment and services to produce and deliver one VORTAC shelter, IAW attached VORTAC Statement of Work (SOW atch 3) and VORTAC System Requirements Document (SRD atch 4). B. Includes five year commercial warranty. C. This is a Firm Fixed Price CLIN. D. The Government may exercise this option one (1) time, at which time the Government may order 1 VORTAC shelter. The Government may exercise this option at any time, but not later than sixty (60) days after Government approval of the Site Survey Report under CDRL B001. The Government is not required to give the contractor advanced notice of its intent to exercise this option. E. The Unit Price for each VORTAC Shelter is \$_____. If this option is exercised, then the Total Item Amount of this CLIN shall be the specified Unit Price. F. If this option is exercised, the "Supplies Schedule Data" section of this contract shall be modified to indicate the following delivery schedule for the item(s) ordered under this CLIN: Fifteen (15) months after option exercise.		
0017		1 Lot	
	<i>Noun:</i> VORTAC SPARE PARTS <i>ACRN:</i> U <i>NSN:</i> N - Not Applicable <i>Contract type:</i> J - FIRM FIXED PRICE <i>Inspection:</i> SOURCE <i>Acceptance:</i> SOURCE <i>FOB:</i> SOURCE		
	<i>Descriptive Data:</i> A. The contractor shall provide unclassified spare parts sufficient to maintain the VORTAC Systems and shelters for three (3) years at each designated airfield, IAW attached VORTAC Statement of Work (SOW atch 3) and VORTAC System Requirements Document (SRD atch 4). B. This CLIN is fully funded. C. This is a Firm Fixed Price CLIN.		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0018	<p><i>Noun:</i> VORTAC TEST EQUIPMENT</p> <p><i>ACRN:</i> U</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p><i>Inspection:</i> SOURCE</p> <p><i>Acceptance:</i> SOURCE</p> <p><i>FOB:</i> SOURCE</p> <p><i>Descriptive Data:</i></p> <p>A. The contractor shall provide specialized tools and equipment required for normal operation and maintenance of the systems in CLIN 0014.</p> <p>B. Includes five year commercial warranty.</p> <p>C. This CLIN is fully funded.</p> <p>D. This is a Firm Fixed Price CLIN.</p>	1 Each	<hr/>
0019	<p><i>Noun:</i> VORTAC SITE SURVEYS</p> <p><i>ACRN:</i> U</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p><i>Inspection:</i> DESTINATION</p> <p><i>Acceptance:</i> DESTINATION</p> <p><i>FOB:</i> DESTINATION</p> <p><i>Descriptive Data:</i></p> <p>A. The contractor shall provide all the necessary personnel, materials, equipment and services to conduct Site Surveys at designated airfields, IAW Statement of Work (SOW atch 3).</p> <p>B. All documentation shall be in English</p> <p>C. This CLIN is fully funded.</p> <p>D. This is a Firm Fixed Price CLIN.</p>	1 Lot	<hr/>

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0020	<p data-bbox="428 373 1133 405"><i>Noun:</i> VORTAC INSTALLATION & SAT</p> <p data-bbox="428 405 1133 436"><i>ACRN:</i> U</p> <p data-bbox="428 436 1133 468"><i>NSN:</i> N - Not Applicable</p> <p data-bbox="428 468 1133 499"><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p data-bbox="428 499 1133 531"><i>Inspection:</i> DESTINATION</p> <p data-bbox="428 531 1133 562"><i>Acceptance:</i> DESTINATION</p> <p data-bbox="428 562 1133 594"><i>FOB:</i> DESTINATION</p> <p data-bbox="428 594 1133 625"><i>Descriptive Data:</i></p> <p data-bbox="428 625 1133 772">A. The contractor shall provide all the necessary personnel, materials, equipment and services to install and perform site acceptance test (SAT) of two VORTACs described in CLIN 0014, IAW the attached VORTAC Statement of Work (SOW atch 3) and VORTAC System Requirements Document (SRD atch 4).</p> <p data-bbox="428 772 1133 804">B. This CLIN is fully funded.</p> <p data-bbox="428 804 1133 829">C. This is a Firm Fixed Price CLIN.</p>	1 Lot	
0021	<p data-bbox="428 951 1016 982"><i>Noun:</i> VORTAC TRAINING</p> <p data-bbox="428 982 1016 1014"><i>ACRN:</i> U</p> <p data-bbox="428 1014 1016 1045"><i>NSN:</i> N - Not Applicable</p> <p data-bbox="428 1045 1016 1077"><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p data-bbox="428 1077 1016 1108"><i>Inspection:</i> DESTINATION</p> <p data-bbox="428 1108 1016 1140"><i>Acceptance:</i> DESTINATION</p> <p data-bbox="428 1140 1016 1171"><i>FOB:</i> DESTINATION</p> <p data-bbox="428 1171 1016 1203"><i>Descriptive Data:</i></p> <p data-bbox="428 1203 1016 1350">A. The contractor shall provide all the necessary personnel and materials for unclassified in-country training. The effort will consist of operator equipment familiarization and organizational-level training for the VORTAC Systems being provided. Classroom and training equipment will be provided by the Country of Oman.</p> <p data-bbox="428 1350 1016 1381">B. This CLIN is fully funded.</p> <p data-bbox="428 1381 1016 1409">C. This is a Firm Fixed Price CLIN.</p>	1 Lot	

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0022	<p data-bbox="428 373 1208 436"><i>Noun:</i> VORTAC TECHNICAL SUPPORT FOR COMMISSIONING FLIGHT TEST</p> <p data-bbox="428 436 760 468"><i>ACRN:</i> U</p> <p data-bbox="428 468 954 499"><i>NSN:</i> N - Not Applicable</p> <p data-bbox="428 499 1016 531"><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p data-bbox="428 531 919 562"><i>Inspection:</i> DESTINATION</p> <p data-bbox="428 562 919 594"><i>Acceptance:</i> DESTINATION</p> <p data-bbox="428 594 919 625"><i>FOB:</i> DESTINATION</p> <p data-bbox="428 625 634 657"><i>Descriptive Data:</i></p> <p data-bbox="428 657 1386 804">A. The contractor shall provide all the necessary personnel, materials, equipment and services required to provide technical assistance for the initial Commissioning Flight Test of the VORTAC System at each designated airfield. This shall be accomplished IAW the attached VORTAC Statement of Work (SOW atch 3) and VORTAC System Requirements Document (SRD atch 4).</p> <p data-bbox="428 804 760 835">B. This CLIN is fully funded.</p> <p data-bbox="428 835 846 863">C. This is a Firm Fixed Price CLIN.</p>	1 Lot	
0023	<p data-bbox="428 919 1373 951">OPTION CLIN (supply)</p> <p data-bbox="428 982 1373 1045"><i>Noun:</i> OPTION FOR VORTAC COMMISSIONING FLIGHT TEST</p> <p data-bbox="428 1045 954 1077"><i>NSN:</i> N - Not Applicable</p> <p data-bbox="428 1077 1016 1108"><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p data-bbox="428 1108 919 1140"><i>Inspection:</i> DESTINATION</p> <p data-bbox="428 1140 919 1171"><i>Acceptance:</i> DESTINATION</p> <p data-bbox="428 1171 919 1203"><i>FOB:</i> DESTINATION</p> <p data-bbox="428 1203 634 1234"><i>Descriptive Data:</i></p> <p data-bbox="428 1234 1373 1381">A. The contractor shall provide aircraft services, personnel and associated equipment to perform the initial Commissioning Flight Test of the VORTAC Systems, IAW the attached VORTAC Statement of Work (SOW atch 3) and VORTAC System Requirements Document (SRD atch 4), at each designated airfield.</p> <p data-bbox="428 1381 846 1413">B. This is a Firm Fixed Price CLIN.</p> <p data-bbox="428 1413 1373 1539">C. The Government may exercise this option at any time, but not later than six (6) months after completion of installation of VORTAC Systems. The Government is not required to give the contractor advanced notice of its intent to exercise this option.</p> <p data-bbox="428 1539 1373 1623">E. The Total Price for VORTAC Commissioning Flight Test is \$_____. If this option is exercised, then the Total Item Amount of this CLIN shall be specified.</p> <p data-bbox="428 1623 1373 1707">F. If this option is exercised, the "Supplies Schedule Data" section of this contract shall be modified to indicate the following delivery schedule for the item(s) ordered under this CLIN:</p> <p data-bbox="505 1707 987 1743">Fifteen (15) months after option exercise.</p>		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0024	<p><i>Noun:</i> VORTAC PUBLICATIONS</p> <p><i>ACRN:</i> U</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p><i>Inspection:</i> DESTINATION</p> <p><i>Acceptance:</i> DESTINATION</p> <p><i>FOB:</i> DESTINATION</p> <p><i>Descriptive Data:</i></p> <p>A. The contractor shall provide three (3) full sets of operation and maintenance manuals for each VORTAC and one full set for HQ, RAFO. Publications will be released in accordance with AFMAN 16-101, paragraph 4.40.2 and written in English.</p> <p>B. Deliver data in accordance with the Statement of Work (SOW atch 3) and Exhibit B, Contract Data Requirements List, DD Form 1423.</p> <p>C. Place of delivery is the Addressee(s) on Exhibit B.</p> <p>D. This CLIN is fully funded.</p> <p>E. This is a Firm Fixed Price CLIN.</p>	1 Lot	
0025	<p><i>Noun:</i> DATA</p> <p><i>ACRN:</i> U</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Contract type:</i> J - FIRM FIXED PRICE</p> <p><i>Inspection:</i> DESTINATION</p> <p><i>Acceptance:</i> DESTINATION</p> <p><i>FOB:</i> DESTINATION</p> <p><i>Descriptive Data:</i></p> <p>A. The contractor shall provide Data in support of CLINs 0014 through 0024, IAW the documents set forth in Contract Data Requirements List (CDRL), Exhibit B.</p> <p>B. The price of this Data is included in the Price of CLIN 0014.</p> <p>C. Documentation shall be in English.</p>	1 Lot	

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0001		3	U		15	MARO
	<i>Noun:</i> INSTRUMENT LANDING SYSTEM (ILS) <i>ACRN:</i> U <i>Descriptive Data:</i> Delivery shall be fifteen (15) MARO IAW CDRL.					
0002		2	U		15	MARO
	<i>Noun:</i> ILS SHELTERS <i>ACRN:</i> U <i>Descriptive Data:</i> Delivery shall be fifteen (15) MARO IAW CDRL.					
0004		3	U		15	MARO
	<i>Noun:</i> ILS MIDDLE MARKERS <i>ACRN:</i> U <i>Descriptive Data:</i> Delivery shall be fifteen (15) MARO IAW CDRL.					
0005		1	U		15	MARO
	<i>Noun:</i> ILS SPARE PARTS <i>ACRN:</i> U <i>Descriptive Data:</i> Delivery shall be fifteen (15) MARO IAW CDRL.					
0006		1	U		15	MARO
	<i>Noun:</i> ILS TEST EQUIPMENT <i>ACRN:</i> U <i>Descriptive Data:</i> Delivery shall be fifteen (15) MARO IAW CDRL.					
0007		1	U		3	MARO
	<i>Noun:</i> ILS SITE SURVEYS <i>ACRN:</i> U <i>Descriptive Data:</i> Delivery, including the report, shall be within ninety (90) days IAW CDRL.					

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0008		1	U			17 MARO
	<i>Noun:</i>	ILS INSTALLATION & SAT				
	<i>ACRN:</i>	U				
	<i>Descriptive Data:</i>					
	Delivery shall be seventeen (17) MARO IAW CDRL.					
0009		1	U			18 MARO
	<i>Noun:</i>	ILS TRAINING				
	<i>ACRN:</i>	U				
	<i>Descriptive Data:</i>					
	Delivery shall be eighteen (18) MARO IAW CDRL.					
0010		1	U			19 MARO
	<i>Noun:</i>	ILS TECHNICAL SUPPORT FOR COMMISSIONING FLIGHT				
	<i>ACRN:</i>	U				
	<i>Descriptive Data:</i>					
	Delivery shall be nineteen (19) MARO IAW CDRL.					
0012		1	U			ASREQ
	<i>Noun:</i>	ILS PUBLICATIONS				
	<i>ACRN:</i>	U				
	<i>Descriptive Data:</i>					
	Deliver data in accordance with Exhibit A, Individual sequence numbers, Contract Data Requirements List (CDRL) DD Form 1423.					
0013		1	U			ASREQ
	<i>Noun:</i>	DATA				
	<i>ACRN:</i>	U				
	<i>Descriptive Data:</i>					
	Deliver data in accordance with Exhibit A, Individual sequence numbers, Contract Data Requirements List (CDRL) DD Form 1423.					

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0014		2	U		15	MARO
	<i>Noun:</i>		VORTAC SYSTEMS			
	<i>ACRN:</i>		U			
	<i>Descriptive Data:</i>					
	Delivery shall be fifteen (15) MARO IAW CDRL.					
0015		1	U		15	MARO
	<i>Noun:</i>		VORTAC SHELTERS			
	<i>ACRN:</i>		U			
	<i>Descriptive Data:</i>					
	Delivery shall be fifteen (15) MARO IAW CDRL.					
0017		1	U		15	MARO
	<i>Noun:</i>		VORTAC SPARE PARTS			
	<i>ACRN:</i>		U			
	<i>Descriptive Data:</i>					
	Delivery shall be fifteen (15) MARO IAW CDRL.					
0018		1	U		15	MARO
	<i>Noun:</i>		VORTAC TEST EQUIPMENT			
	<i>ACRN:</i>		U			
	<i>Descriptive Data:</i>					
	Delivery shall be fifteen (15) MARO IAW CDRL.					
0019		1	U		3	MARO
	<i>Noun:</i>		VORTAC SITE SURVEYS			
	<i>ACRN:</i>		U			
	<i>Descriptive Data:</i>					
	Delivery shall be three (3) MARO IAW CDRL.					
0020		1	U		17	MARO
	<i>Noun:</i>		VORTAC INSTALLATION & SAT			
	<i>ACRN:</i>		U			
	<i>Descriptive Data:</i>					
	Delivery shall be seventeen (17) MARO IAW CDRL.					

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0021		1	U			18 MARO
	<i>Noun:</i>	VORTAC TRAINING				
	<i>ACRN:</i>	U				
	<i>Descriptive Data:</i>					
	Delivery shall be eighteen (18) MARO IAW CDRL.					
0022		1	U			19 MARO
	<i>Noun:</i>	VORTAC TECHNICAL SUPPORT FOR COMMISSIONING FLIGHT TEST				
	<i>ACRN:</i>	U				
	<i>Descriptive Data:</i>					
	Delivery shall be nineteen (19) MARO IAW CDRL.					
0024		1	U			ASREQ
	<i>Noun:</i>	VORTAC PUBLICATIONS				
	<i>ACRN:</i>	U				
	<i>Descriptive Data:</i>					
	Deliver data in accordance with Exhibit B, Individual sequence numbers, Contract Data Requirements List (CDRL) DD Form 1423.					
0025		1	U			ASREQ
	<i>Noun:</i>	DATA				
	<i>ACRN:</i>	U				
	<i>Descriptive Data:</i>					
	Deliver data in accordance with Exhibit B, Individual sequence numbers, Contract Data Requirements List (CDRL) DD Form 1423.					

1. FAR 52.212-04 ADDENDUM TO CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS (Oct 2003)

52.212-4, Contract Terms and Conditions -- Commercial Items is hereby tailored as follows:

The Contractor shall prepare and submit a final DD Form 250, Material Inspection and Receiving Report, on a one-time basis, collectively accounting for all completed items called for under Exhibits A and B, which called for submission of data with a letter of transmittal. The DD Form 250 shall be submitted with the last item required to be delivered.

2. FAR 52.212-05 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS--COMMERCIAL ITEMS (Jan 2004)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clause, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items: 52.233-3, Protest after Award (Aug 1996)(31 U.S.C 3553).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the contracting officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

☒ (1) 52.203-06, Restrictions on Subcontractor Sales to the Government (Jul 1995), with Alternate I (Oct 1995) (41 U.S.C. 253g and 10 U.S.C. 2402).

☒ (3) 52.219-04, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (Jan 1999). (If the offeror elects to waive the preference, it shall so indicate in its offer.)

☒ (7) 52.219-08, Utilization of Small Business Concerns (Oct 2000) (15 U.S.C. 637 (d)(2) and (3)).

☒ (8) (iii) 52.219-09, Small Business Subcontracting Plan (Jan 2002). Alternate II (Oct 2001) (15 U.S.C. 637 (d)(4)).

☒ (10)(i) 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns (Jun 2003) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323) (if the offeror elects to waive the adjustment, it shall so indicate in its offer).

☒ (13) 52.222-03, Convict Labor (June 2003)(E.O. 11755).

☒ (14) 52.222-19, Child Labor--Cooperation with Authorities and Remedies (Jan 2004) (E.O. 13126).

☒ (15) 52.222-21, Prohibition of Segregated Facilities (Feb 1999).

☒ (16) 52.222-26, Equal Opportunity (Apr 2002)(E.O. 11246).

☒ (17) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001)(38 U.S.C. 4212).

☒ (18) 52.222-36, Affirmative Action for Workers with Disabilities (Jun 1998) (29 U.S.C. 793).

☒ (19) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212).

☒ (24) 52.225-13, Restrictions on Certain Foreign Purchases (Oct 2003) (E.o.s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

☒ (27) 52.232-29, Terms For Financing Of Purchases Of Commercial Items (Feb 2002)(41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

☒ (29) 52.232-33, Payment by Electronic Funds Transfer-Central Contractor Registration (Oct 2003) (31 U.S.C. 3332).

☒ (31) 52.232-36, Payment by Third Party (May 1999)(31 U.S.C. 3332).

(c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or executive orders applicable to acquisitions of commercial items:

(d) Comptroller General Examination of Record. The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records -- Negotiation.

(1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractor's directly pertinent records involving transactions related to this contract.

(2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

(3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e)

(1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c) and (d) of this clause, the Contractor is not required to flow down any FAR clause, other than those in paragraphs (i) through (vi) of this paragraph in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause--

(i) 52.219-8, Utilization of Small Business Concerns (Oct 2000)(15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$500,000 (\$1,000,000 for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(ii) 52.222-26, Equal Opportunity (Apr 2002)(E.O. 11246).

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001)(38 U.S.C. 4212).

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (June 1998)(29 U.S.C. 793).

(v) 52.222-41, Service Contract Act of 1965, as Amended (May 1989), flow down required for all subcontracts subject to the Service Contract Act of 1965 (41 U.S.C. 351, et seq.)

(vi) 52.247-64, Preference for Privately-Owned U.S. Flag Commercial Vessels (Apr 2003)(46 U.S.C. Appx 1241 and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247-64,

(2) While not required, the contractor may include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

3. DFARS 252.204-7000 DISCLOSURE OF INFORMATION (Dec 1991)

(a) The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless--

(1) The Contracting Officer has given prior written approval; or

(2) The information is otherwise in the public domain before the date of release.

(b) Requests for approval shall identify the specific information to be released, the medium to be used, and the purpose for the release. The Contractor shall submit its request to the Contracting Officer at least 45 days before the proposed date for release.

(c) The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit requests for authorization to release through the prime contractor to the Contracting Officer.

4. DFARS 252.212-7001 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS APPLICABLE TO DEFENSE ACQUISITIONS OF COMMERCIAL ITEMS (Jan 2004)

(a) The Contractor agrees to comply with the following Federal Acquisition Regulation (FAR) clause which, if checked, is included in this contract by reference to implement a provision of law applicable to acquisitions of commercial items or components.

☒ 52.203-03 Gratuities (APR 1984) (10 U.S.C. 2207).

(b) The Contractor agrees to comply with any clause that is checked on the following list of Defense FAR Supplement clauses which, if checked, is included in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items or components.

☒ 252.205-7000 Provision of Information to Cooperative Agreement Holders (Dec 1991) (10 U.S.C. 2416).

☒ 252.219-7003 Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (DOD Contracts) (Apr 1996) (15 U.S.C. 637).

☒ 252.219-7004 Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (Test Program) (Jun 1997) (15 U.S.C. 637 note).

☒ 252.225-7001 Buy American Act and Balance of Payments Program (Apr 2003) (41 U.S.C. 10a-10d, E.O. 10582).

☒ 252.225-7012 Preference for Certain Domestic Commodities (Feb 2003) (10 U.S.C. 2533a).

☒ 252.225-7014 Preference for Domestic Specialty Metals (Apr 2003) (10 U.S.C. 2533a).

☒ 252.225-7027 Restriction on Contingent Fees for Foreign Military Sales (Apr 2003) (22 U.S.C. 2779).
Para (b)(1), Sales to the Government(s) of \$0.00

☒ 252.226-7001 Utilization Of Indian Organizations, Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns (Oct 2003) (Section 8021 of Pub. L. 107-248).

☒ 252.227-7015 Technical Data--Commercial Items (Nov 1995) (10 U.S.C. 2320).

☒ 252.227-7037 Validation of Restrictive Markings on Technical Data (Sep 1999) (10 U.S.C. 2321).

☒ 252.243-7002 Requests for Equitable Adjustment (Mar 1998) (10 U.S.C. 2410).

☒ 252.247-7023 Transportation of Supplies by Sea (May 2002) (10 U.S.C. 2631).

(c) In addition to the clauses listed in paragraph (e) of the Contract Terms and Conditions Required to Implement Statutes or Executive Orders--Commercial Items clause of this contract (FAR 52.212-5), the Contractor shall include the terms of the following clauses, if applicable, in subcontracts for commercial items or commercial components, awarded at any tier under this contract:

252.225-7014 Preference for Domestic Specialty Metals, Alternate I (APR 2003) (10 U.S.C. 2533a).

252.247-7023 Transportation of Supplies by Sea (MAY 2002) (10 U.S.C. 2631).

252.247-7024 Notification of Transportation of Supplies by Sea (MAR 2000) (10 U.S.C. 2631).

5. ESC-I001 INCORPORATION OF SMALL AND SMALL DISADVANTAGED BUSINESS SUBCONTRACTING PLAN (Mar 2004)

The contractor's Small and Small Disadvantaged Business Subcontracting Plan, dated _____, Attachment 5 to this contract, is a material part of this contract and is incorporated herein by reference.

6. ESC-I002 5352.215-9008 ENABLING CLAUSE BETWEEN PRIME CONTRACTORS AND SERVICE CONTRACTORS (AFMC) (JUL 1997) (TAILORED) (Mar 2004)

(a) The Air Force has entered into contracts with

PESystems, Inc.
c/o Gene L. Bisol
VP, Business Development, (978) 692-2201
e-mail: gbisol@pesystems.com
3 Littleton Rd., SU 4
Westford, MA 01886

MITRE Corporation
c/o Dr. Louis S. Metzger
V.P. Center for AF C2 Systems, (781) 377-5920
e-mail: lmetzger@MITRE.org.
M/S 1606 K
202 Burlington Rd.
Bedford, MA 01730

for services to provide technical, evaluation, and acquisition management support.

(d) Service tasks involved the application of a broad range of education, skills, knowledge, and experience in many disciplines in support of weapon system acquisition tasks. Tasks involve:

1. Evaluate from a technical and financial standpoint whether system concept and performance can be expected to be achieved on schedule and within cost.
2. Assure that the impact of new data, new developments, and modified requirements is properly assessed and exploited.

(e) In the performance of this contract, the Contractor agrees to cooperate with contractors listed under paragraph (a) above by: responding to invitations from authorized personnel to attend meetings; providing access to technical information and research, development and planning data, test data and results, schedule and milestone data, financial data including the Contractor's cost/schedule management system/records and accounting system, all in original form or reproduced; discussing technical matters related to the program; providing access to Contractor facilities utilized in the performance of this contract; and allowing observation of technical activities by appropriate support Contractor technical personnel.

(f) The Contractor further agrees to include in each subcontract over \$1 million or 10 percent of prime contract value, whichever is less, a clause requiring compliance by a subcontractor and succeeding levels of subcontractors with the response and access provisions of paragraph (c) above, subject to coordination with the Contractor. This agreement does not relieve the Contractor of responsibility to manage subcontracts effectively and efficiently, nor is it intended to establish privity of contracts between the Government or the service Contractor(s) and such subcontractors.

(g) Service Contractor personnel are not authorized to direct a Contractor in any manner.

(h) Service contracts contain an organizational conflict of interest clause that requires the service Contractors to protect the data and prohibits the service Contractors from using the data for any purpose other than that for which the data was presented.

(i) Neither the Contractor nor their subcontractors shall be required in the satisfaction of the requirements of this clause to perform any effort or supply any documentation not otherwise required by their contract or subcontract.

DOCUMENT	PGS	DATE	TITLE
EXHIBIT A	13	22 MAR 2004	ILS CONTRACT DATA REQUIREMENTS LIST (CDRL), DD FORM 1423
EXHIBIT B	13	22 MAR 2004	VORTAC CONTRACT DATA REQUIREMENTS LIST (CDRL), DD FORM 1423
ATTACHMENT 1	5	22 MAR 2004	STATEMENT OF WORK (SOW) FOR CATEGORY II (CAT II) INSTRUMENT LANDING SYSTEMS (ILS)
ATTACHMENT 2	2	22 MAR 2004	SYSTEM REQUIREMENTS DOCUMENT FOR CATEGORY II INSTRUMENT LANDING SYSTEMS (ILS)
ATTACHMENT 3	5	22 MAR 2004	STATEMENT OF WORK (SOW) FOR VERY HIGH FREQUENCY (VHF) OMNIDIRECTIONAL RANGE (VOR) TACTICAL AIR NAVIGATION (TACAN) VORTAC
ATTACHMENT 4	1	22 MAR 2004	SYSTEM REQUIREMENTS DOCUMENT FOR VERY HIGH FREQUENCY (VHF) OMNIDIRECTIONAL RANGE (VOR) TACTICAL AIR NAVIGATION (TACAN) VORTAC
ATTACHMENT 5	1	22 MAR 2004	SMALL BUSINESS SUBCONTRACTING PLAN
ATTACHMENT 6	1	22 MAR 2004	PAYMENT PLAN
ATTACHMENT 7	3	22 MAR 2004	INSTRUCTIONS FOR PROPOSAL PREPARATION (IFPP). (THIS ATTACHMENT 7 IS PART OF THE SOLICITATION, BUT IT WILL NEVER BE PART OF THE CONTRACT THAT IS AWARDED)
ATTACHMENT 8	2	22 MAR 2004	EVALUATION FACTORS FOR AWARD. (THIS ATTACHMENT 7 IS PART OF THE SOLICITATION, BUT IT WILL NEVER BE PART OF THE CONTRACT THAT IS AWARDED)

Exhibit A

Contractor Data Requirements List (CDRL)

OMAN FMS Case MU-D-DAA

3 Instrument Landing Systems (ILS)

22 March 2004

Prepared by:

**Global Air Traffic Operations/Mobility Command & Control (GATO/MC2)
Systems Program Office – Electronic Systems Center ESC / GAF
75 Vandenberg Drive – Bldg 1630
Hanscom AFB, MA 01730-2103**

Oman FMS Case MU-D-DAA

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Oman FMS Case MU-D-DAA

-- GENERAL INSTRUCTIONS for DD Form 1423

1. Contents and Delivery Media

The attached Contract Data Requirements List (CDRL) contains a complete list of data deliverables for its related Contract Line Item Numbers (CLINs). IAW with the Reduction of Paper Act, the electronic delivery of data is required whenever possible. ESC/GAF will accept data in current Microsoft Office™ applications; e.g., access to Contractor's world wide web (www) site, electronic mail, disk. Once the website is functioning, hard copy of each CDRL item will be delivered to ESC/GAK and an e-mail notification made to the Distribution List.

2. Applicable Documents

DoD 5010.12-L, DoD Acquisition Management Systems and Data Requirements
Control List (AMSDL), dated 1 April 2001.

3. Standard Data Item Description (DID)

Block 4 contains the Data Item Description (DID) number to be followed in developing the required data.
All reference numbers appearing in block 4 correspond to DIDs listed in the AMSDL and are described on DD Form 1664, Data Item Description. Block 10 of DD Form 1664, together with any tailoring cited in the CDRL, contains instructions for preparation of data delivered under this contract.

4. Tailored Data Item Descriptions

Because of program-peculiar data requirements, certain DIDs called out in the CDRL have been tailored from the standard format specified on DD Form 1664. In such cases, "/T" (tailored) has been suffixed to the DID number appearing in block 4 of the CDRL format; for example, DI-MISC-80508/T. The specific tailoring is detailed in block 16, or, if lengthy, by back-up pages as an attachment to the CDRL Exhibit.

5. Submittal Dates

Blocks 12 and 13 specify the required date of arrival of the data at the addressees listed in block 14.

6. Approval Codes

An "A" in block 8 requires that the Government approve/disapprove data submittals in writing not later than 45 days after receipt of the data unless otherwise specified in block 16 of the individual data item. It has been determined for purposes of this contract that an "A" in block 8 may indicate approval/ disapproval of format or content or both. The absence of a code in block 8 in no way precludes the Government from exercising approval/disapproval authority for any data submission.

7. Distribution Statement

The code in block 9 indicates which distribution statement is required on all technical data to denote the extent of secondary distribution. For this contract and using DoD Directive 5230.24, unless stated otherwise in Block 16 of the individual DD Form 1423 the following distribution statement applies:

"Distribution Statement C -US Govt and authorized contractors (reason e: -Specific Authority for foreign military sale) applies, as of 31 Jan 2002.

Controlling Office is ESC/GAF."

8. DD Form 250 Submission

The following is for Oman FMS Case MU-D-DAA contract data deliverables only. No individual data items on the Oman FMS Case MU-D-DAA contract indicate the necessity of a DD Form 250 in Block 7. Also, the data CLINs on this contract are not separately priced (NSP). However, agreement between the Contractor and the PCO may choose to close out individual CLINs/SubCLINs by using a DD 250 form. If so, it would not be to finalize data items, but to close the CDRL Exhibit by closing CLINs/SubCLINs. The Contractor shall prepare and submit a final DD Form 250, Material Inspection and Receiving Report, on a one-time basis, collectively accounting for all completed items called for under Exhibit A, which called for submission of data with a letter of transmittal. The DD Form 250 shall be submitted with the last item required to be delivered.

9. Correspondence

All correspondence, including electronic communications, and all DD Form 250s relating to the CDRL items shall be clearly identified with the contract number, Data Item Description (DID) number, title of the DID, CDRL sequence number(s), list showing the office symbols and the number of copies distributed; the document number and version notation, periods covered, and any other pertinent references/information. Send ESC data packages to:

HQ, ESC/GAF

**ATTN: Oman FMS MU-D-DAA Program
75 Vandenberg Drive, - Bldg 1630,
Hanscom AFB, MA 01731-2103**

10. Duplication

The Contractor will take care not to unnecessarily duplicate data previously procured by the Government, except to provide required copies to newly established recipients under the contract. Instances of apparent unnecessary duplication should be identified to the Data Management Officer (DMO). The Contractor is encouraged to recommend deletions, additions, substitutions, consolidations, and use of existing contractor or subcontractor formats of data when such actions will aid the procuring agency in obtaining minimum essential data, in a timely and cost effective manner.

11. Questions regarding the data deliverables or DD Forms 1423 may be directed to Mr. Bill Cole 781-377-9076 or Dr. Russ Benel 781-377-9236. Or, write to ESC/GAF (Oman FMS Case MU-D-DAA), 75 Vandenberg Drive - Bldg 1630, Hanscom AFB, MA 01731-2103.

Oman FMS Case MU-D-DAA
– OFFICE SYMBOL / ADDRESS LIST

ELECTRONIC SYSTEMS CENTER (ESC) GATO/MC2

ESC/GAF, ESC/GAK, and/or ESC/GAX
ATTN: MU-D-DAA FMS Program
75 Vandenberg Drive - Bldg 1630
Hanscom AFB MA 01731-2103.

email: first.last@hanscom.af.mil 781-377-#### dsn: 478-
####

DCMA

DCMA
ATTN: Oman FMS Case MU-D-DAA Program
c/o

email: first.last@dcmdi.dcm.mil

TBD

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						<i>Form Approved</i> <i>OMB No. 0704-0188</i>		
<p>The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.</p>								
A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY				
D. SYSTEM/ITEM ILS / FMS Case MU-D-DAA		E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD				
1. DATA ITEM NO. A001	2. TITLE OF DATA ITEM Site Survey Report			3. SUBTITLE Site Survey Drawings and Report				
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-81381		5. CONTRACT REFERENCE SOW: PARA 4.2		6. REQUIRING OFFICE ESC/GAF				
7. DD 250 REQ N/A	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ONE TIME	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION				
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION AS REQ	a. ADDRESSEE		b. COPIES		
						Draft	Final	
						Reg	Repro	
16. REMARKS BLK 4 – Contractor format is acceptable. BLK 12 – Submit 15 calendar days after completion of each survey. The Government has 15 calendar days after receipt for comment. BLK 13 – Final report due 15 days after receipt of government comments, if applicable. BLK 14 – Two paper copies and one electronic copy required by ESC/GAF; Microsoft Office compatible. Contractor to suggest electronic media: e.g.; If web media is selected access to be determined by GAF. If e-mail media is selected, addresses to be provided following contract award. Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this FMS effort. Other requests shall be referred to HQ, ESC/GA.								
				ESC/GAF (per ILS)		1	3	0
				ESC/GAK (per ILS)		0	1	0
				DCMA (per ILS)		0	1	0
				15. TOTAL ^		1	5	0
G. PREPARED BY Lt Jeremy Colvin		H. DATE		I. APPROVED BY Khalid Musameh		J. DATE		

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188		
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.								
A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY				
D. SYSTEM/ITEM ILS / FMS Case MU-D-DAA		E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD				
1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM COMMERCIAL OFF-THE-SHELF (COTS) MANUALS AND ASSOCIATED SUPPLEMENTAL DATA			3. SUBTITLE COTS MANUALS				
4. AUTHORITY (Data Acquisition Document No.) DI-TMSS-80527A/T		5. CONTRACT REFERENCE SOW: PARA 4.3.3		6. REQUIRING OFFICE ESC/GAF				
7. DD 250 REQ N/A	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ONE TIME	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION				
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16	a. ADDRESSEE		b. COPIES		
						Draft	Final	
						Reg	Repro	
16. REMARKS BLK 4 - Contractor format is acceptable. Manuals shall be in English. - Add to para 10.2, " The operation and maintenance manuals shall be suitable to operate and perform all on-site maintenance, to include preventive maintenance. The operation and maintenance manuals shall include instructions on operation and maintenance, spare parts information, and details including a standard commercial Illustrated Parts Breakdown (IPB). The manuals shall be of a type and technical quality that are normally supplied to a customer who intends to do organization level repair and preventive maintenance. Supplement manuals with warranty, warranty repair procedures, procedures for repairing of other items not covered by warranty; and company helpdesk procedures, if applicable." BLK 12 - Due at time of initial system delivery. BLK 13 - Due at time of subsequent system delivery. BLK 14 – Electronic delivery required for ESC/GAF copy; Microsoft Office compatible. Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this foreign military sale. Other requests shall be referred to HQ, ESC/GA.				ESC/GAF		0	0	0
				ESC/GAK		0	0	0
				Pack/ship three		0	9	0
				Copies with each				
				ILS				
				HQ RAFO		0	1	0
				15. TOTAL ^		0	10	0
G. PREPARED BY Lt Jeremy Colvin		H. DATE		I. APPROVED BY Khalid Musameh		J. DATE		

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						<i>Form Approved</i> OMB No. 0704-0188	
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.							
A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY			
D. SYSTEM/ITEM ILS / FMS Case MU-D-DAA		E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD			
1. DATA ITEM NO. A003	2. TITLE OF DATA ITEM Test/Inspection Report			3. SUBTITLE Factory Acceptance Test (FAT) Report			
4. AUTHORITY <i>(Data Acquisition Document No.)</i> DID-NDTI-80809B		5. CONTRACT REFERENCE SOW: PARA 5.1		6. REQUIRING OFFICE ESC/GAF			
7. DD 250 REQ N/A	9. DIST STATEMENT REQUIRED	10 FREQUENCY ONE TIME	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION			
8. APP CODE	C	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE		b. COPIES	
				Draft		Final	
				Reg		Repro	
16. REMARKS BLK 4 - Contractor format is acceptable. BLK 12 - Final reports are due 15 calendar days after the successful completion of the test. BLK 14 - One hard copy with each end item upon shipment from factory. One paper copy and electronic delivery required; Microsoft Office compatible. Contractor to suggest electronic media: e.g.; If web media is selected access to be determined by GAF If email media is selected, addresses to be provided following contract award. Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this foreign military sale. Other requests shall be referred to HQ, ESC/GA.				ESC/GAF (per ILS) 0 2 0		ESC/GAK (per ILS) 0 1 0	
				Pack/ship one copy With each ILS 0 3 0			
				DCMA (per ILS) 0 1 0			
				15. TOTAL ^		0 7 0	
G. PREPARED BY Lt Jeremy Colvin		H. DATE		I. APPROVED BY Khalid Musameh		J. DATE	

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						<i>Form Approved</i> OMB No. 0704-0188	
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.							
A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY			
D. SYSTEM/ITEM ILS / FMS Case MU-D-DAA		E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD			
1. DATA ITEM NO. A004	2. TITLE OF DATA ITEM Installation Test Procedures			3. SUBTITLE Installation and SAT Plan			
4. AUTHORITY (Data Acquisition Document No.) DI-QCIC-80511/T		5. CONTRACT REFERENCE SOW: PARA 5.2		6. REQUIRING OFFICE ESC/GAF			
7. DD 250 REQ N/A	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ONE TIME	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION			
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16	a. ADDRESSEE		b. COPIES	
						<div style="display: flex; justify-content: space-between;"> <div>Draft</div> <div>Final</div> </div>	
16. REMARKS							
BLK 4 - Contractor format is acceptable. Sections 10.1; 10.2.3; 10., 10.2.4 and para 10.3 are applicable. In addition, include a description of equipment, services, and support required by site for Installation and SAT.				ESC/GAF (per ILS)		<div style="display: flex; justify-content: space-between;"> <div>1</div> <div>3</div> <div>0</div> </div>	
BLK 12 - Submit 60 calendar days prior to system delivery. The Government has 30 calendar days after receipt for comment.				ESC/GAK (per ILS)		<div style="display: flex; justify-content: space-between;"> <div>0</div> <div>1</div> <div>0</div> </div>	
BLK 13 - Final Plan is due 15 working days after receipt of Government comments.				DCMA (per ILS)		<div style="display: flex; justify-content: space-between;"> <div>0</div> <div>1</div> <div></div> </div>	
				15. TOTAL ^		<div style="display: flex; justify-content: space-between;"> <div>1</div> <div>5</div> <div>0</div> </div>	
G. PREPARED BY Lt Jeremy Colvin		H. DATE		I. APPROVED BY Khalid Musameh		J. DATE	

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						<i>Form Approved</i> <i>OMB No. 0704-0188</i>		
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.								
A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY				
D. SYSTEM/ITEM ILS / FMS Case MU-D-DAA		E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD				
1. DATA ITEM NO. A005	2. TITLE OF DATA ITEM Installation Test Report			3. SUBTITLE Installation & SAT Report				
4. AUTHORITY (Data Acquisition Document No.) DI-QCIC-80512/T		5. CONTRACT REFERENCE SOW: PARA 5.2		6. REQUIRING OFFICE ESC/GAF				
7. DD 250 REQ N/A	9. DIST STATEMENT REQUIRED C	10 FREQUENCY ONE TIME	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION				
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE		b. COPIES		
						Draft	Final	
						Reg	Repro	
16. REMARKS BLK 4- Contractor format is acceptable. - Add para "10.1.e Report deviations from the test plan with explanations." BLK 12 - Submit 15 calendar days after completion of each test. BLK 13 - Final reports are due 15 calendar days after receipt of Government comments. Two paper copies and electronic delivery required; Microsoft Office compatible. Contractor to suggest electronic media: e.g.; If web media is selected access to be determined by GAF If email media is selected, addresses to be provided following contract award. Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this foreign military sale. Other requests shall be referred to HQ, ESC/GA.				ESC/GAF (per ILS)		1	3	0
				ESC/GAK (per ILS)		0	1	0
				DCMA (per ILS)		0	1	0
				15. TOTAL ^		1	5	0
G. PREPARED BY Lt Jeremy Colvin		H. DATE		I. APPROVED BY Khalid Musameh		J. DATE		

Lt Jeremy Colvin		Khalid Musameh	
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DD FORM 1423-1, AUG 96 (EG)

PREVIOUS EDITION MAY BE USED

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>					<i>Form Approved</i> <i>OMB No. 0704-0188</i>			
<p>The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.</p>								
A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY				
D. SYSTEM/ITEM ILS / FMS Case MU-D-DAA			E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD			
1. DATA ITEM NO. A007		2. TITLE OF DATA ITEM Test/Inspection Report			3. SUBTITLE Commissioning Flight Test Report			
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809B/T			5. CONTRACT REFERENCE SOW: PARA 10.0		6. REQUIRING OFFICE ESC/GAF			
7. DD 250 REQ N/A		9. DIST STATEMENT REQUIRED C		10. FREQUENCY One Time		12. DATE OF FIRST SUBMISSION SEE BLK 16		
8. APP CODE		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16		14. DISTRIBUTION		
				a. ADDRESSEE		b. COPIES		
						Draft		
						Final		
						Reg		
						Repro		
16. REMARKS Block: (4) DD Form 1664, Block 10, is tailored as follows: -Contractor format acceptable (14) The Contractor shall provide two (2) paper copies along with one (1) reproducible electronic copy (CD) to each designated agency. (12) Initial submittal: **Initial test results shall be provided to the on-site US Govt. representative upon test completion. (13) Final submittal: report(s) due 15 calendar DA the test completion. Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this foreign military sale. Other requests shall be referred to HQ, ESC/GA.				GAF (per ILS)		0	2	0
				GAK (per ILS)		0	1	0
				DCMA (per ILS)		0	1	0
15. TOTAL ^				0	4	0		
G. PREPARED BY Lt Jeremy Colvin			H. DATE		I. APPROVED BY Mr. Khalid Musameh		J. DATE	

DD FORM 1423-1, AUG 96 (EG)

PREVIOUS EDITION MAY BE USED

Exhibit B

Contractor Data Requirements List (CDRL)

OMAN FMS Case MU-D-DAA

2 VORTAC Systems

22 March 2004

Prepared by:

**Global Air Traffic Operations/Mobility Command & Control (GATO/MC2)
Systems Program Office – Electronic Systems Center ESC / GAF
75 Vandenberg Drive – Bldg 1630
Hanscom AFB, MA 01730-2103**

Oman FMS Case MU-D-DAA

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Office Symbols / Address List	6
DD Form 1423s	7 - 13

Oman FMS Case MU-D-DAA

-- GENERAL INSTRUCTIONS for DD Form 1423

1. Contents and Delivery Media

The attached Contract Data Requirements List (CDRL) contains a complete list of data deliverables for its related Contract Line Item Numbers (CLINs). IAW with the Reduction of Paper Act, the electronic delivery of data is required whenever possible. ESC/GAF will accept data in current Microsoft Office™ applications; e.g., access to Contractor's world wide web (www) site, electronic mail, disk. Once the website is functioning, hard copy of each CDRL item will be delivered to ESC/GAK and an e-mail notification made to the Distribution List.

2. Applicable Documents

DoD 5010.12-L, DoD Acquisition Management Systems and Data Requirements Control List (AMSDL), dated 1 April 2001.

3. Standard Data Item Description (DID)

Block 4 contains the Data Item Description (DID) number to be followed in developing the required data.

All reference numbers appearing in block 4 correspond to DIDs listed in the AMSDL and are described on DD Form 1664, Data Item Description. Block 10 of DD Form 1664, together with any tailoring cited in the CDRL, contains instructions for preparation of data delivered under this contract.

4. Tailored Data Item Descriptions

Because of program-peculiar data requirements, certain DIDs called out in the CDRL have been tailored from the standard format specified on DD Form 1664. In such cases, "/T" (tailored) has been suffixed to the DID number appearing in block 4 of the CDRL format; for example, DI-MISC-80508/T. The specific tailoring is detailed in block 16, or, if lengthy, by back-up pages as an attachment to the CDRL Exhibit.

5. Submittal Dates

Blocks 12 and 13 specify the required date of arrival of the data at the addressees listed in block 14.

6. Approval Codes

An "A" in block 8 requires that the Government approve/disapprove data submittals in writing not later than 45 days after receipt of the data unless otherwise specified in block 16 of the individual data item. It has been determined for purposes of this contract that an "A" in block 8 may indicate approval/disapproval of format or content or both. The absence of a code in block 8 in no way precludes the Government from exercising approval/disapproval authority for any data submission.

7. Distribution Statement

The code in block 9 indicates which distribution statement is required on all technical data to denote the extent of secondary distribution. For this contract and using DoD Directive 5230.24, unless stated otherwise in Block 16 of the individual DD Form 1423 the following distribution statement applies:

"Distribution Statement C -US Govt and authorized contractors
(reason e: -Specific Authority for foreign military sale) applies, as of 31 Jan 2002.
Controlling Office is ESC/GAF."

8. DD Form 250 Submission

The following is for Oman FMS Case MU-D-DAA contract data deliverables only. No individual data items on the Oman FMS Case MU-D-DAA contract indicate the necessity of a DD Form 250 in Block 7. Also, the data CLINs on this contract are not separately priced (NSP). However, agreement between the Contractor and the PCO may choose to close out individual CLINs/SubCLINs by using a DD 250 form. If so, it would not be to finalize data items, but to close the CDRL Exhibit by closing CLINs/SubCLINs. The Contractor shall prepare and submit a final DD Form 250, Material Inspection and Receiving Report, on a one-time basis, collectively accounting for all completed items called for under Exhibit A, which called for submission of data with a letter of transmittal. The DD Form 250 shall be submitted with the last item required to be delivered.

9. Correspondence

All correspondence, including electronic communications, and all DD Form 250s relating to the CDRL items shall be clearly identified with the contract number, Data Item Description (DID) number, title of the DID, CDRL sequence number(s), list showing the office symbols and the number of copies distributed; the document number and version notation, periods covered, and any other pertinent references/information.
Send ESC data packages to:

**HQ, ESC/GAF
ATTN: Oman FMS MU-D-DAA Program
75 Vandenberg Drive, - Bldg 1630,
Hanscom AFB, MA 01731-2103**

10. Duplication

The Contractor will take care not to unnecessarily duplicate data previously procured by the Government, except to provide required copies to newly established recipients under the contract. Instances of apparent unnecessary duplication should be identified to the Data Management Officer (DMO). The Contractor is encouraged to recommend deletions, additions, substitutions, consolidations, and use of existing contractor or subcontractor formats of data when such actions will aid the procuring agency in obtaining minimum essential data, in a timely and cost effective manner.

11. Questions regarding the data deliverables or DD Forms 1423 may be directed to Mr. Bill Cole 781-377-9076 or Dr. Russ Benel 781-377-9236. Or, write to HQ, ESC/GAF (Oman FMS Case MU-D-DAA), 75 Vandenberg Drive - Bldg 1630, Hanscom AFB, MA 01731-2103.

Oman FMS Case MU-D-DAA

– OFFICE SYMBOL / ADDRESS LIST

ELECTRONIC SYSTEMS CENTER (ESC) GATO/MC2

ESC/GAF, ESC/GAK, and/or ESC/GAX
ATTN: MU-D-DAA FMS Program
75 Vandenberg Drive - Bldg 1630
Hanscom AFB MA 01731-2103.

email: first.last@hanscom.af.mil

781-377-#### dsn: 478-####

DCMA

DCMA
ATTN: Oman FMS Case MU-D-DAA Program
c/o

email: first.last@dcmdi.dcm.mil

TBD

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188		
<p>The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.</p>								
A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY				
D. SYSTEM/ITEM VORTAC / FMS Case MU-D-DAA		E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD				
1. DATA ITEM NO. B001	2. TITLE OF DATA ITEM Site Survey Report			3. SUBTITLE Site Survey Drawings and Report				
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-81381		5. CONTRACT REFERENCE SOW: PARA 4.2		6. REQUIRING OFFICE ESC/GAF				
7. DD 250 REQ N/A	9. DIST STATEMENT REQUIRED	10. FREQUENCY ONE TIME	12. DATE OF FIRST SUBMISSION SEE BLK 16		14. DISTRIBUTION			
8. APP CODE A	C	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION AS REQ		a. ADDRESSEE	b. COPIES		
						Draft	Final	
						Reg	Repro	
16. REMARKS BLK 4- Contractor format is acceptable. BLK 12 - Submit 15 calendar days after completion of each survey. The Government has 15calendar days after receipt for comment. BLK 13 - Final report is due 15 calendar days after receipt of Government comments, if applicable. One paper copy and one electronic delivery required; Microsoft Office compatible. Contractor to suggest electronic media: e.g.; If web media is selected access to be determined by GAF If email media is selected, addresses to be provided following contract award. Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this foreign military sale. Other requests shall be referred to HQ, ESC/GA.					ESC/GAF(per)	1	2	0
					ESC/GAK (per)	0	1	0
					DCMA	0	1	0
15. TOTAL ^					1	4	0	
G. PREPARED BY Lt Jeremy Colvin		H. DATE		I. APPROVED BY Khalid Musameh		J. DATE		

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188		
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.							
A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY			
D. SYSTEM/ITEM VORTAC / FMS Case MU-D-DAA		E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD			
1. DATA ITEM NO. B002	2. TITLE OF DATA ITEM Commercial Off-the-Shelf Manuals			3. SUBTITLE COTS Manuals			
4. AUTHORITY (Data Acquisition Document No.) DI-TMSS-80527A/T		5. CONTRACT REFERENCE SOW: PARA 4.3.3		6. REQUIRING OFFICE ESC/GAF			
7. DD 250 REQ N/A	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ONE TIME	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION			
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	b. COPIES		
					Draft	Final	
						Reg Repro	
16. REMARKS BLK 4 - Contractor format is acceptable. Manuals shall be in English. - Add to para 10.2, " The operation and maintenance manuals shall be suitable to operate and perform all on-site maintenance, to include preventive maintenance. The operation and maintenance manuals shall include instructions on operation and maintenance, spare parts information, and details including a standard commercial Illustrated Parts Breakdown (IPB). The manuals shall be of a type and technical quality that are normally supplied to a customer who intends to do organization level repair and preventive maintenance. Supplement manuals with warranty, warranty repair procedures, procedures for repairing of other items not covered by warranty; and company helpdesk procedures, if applicable." BLK 12 - Due at time of initial system delivery. BLK 13 - Due at time of subsequent system delivery. BLK 14 – Electronic delivery required for ESC/GAF copy; Microsoft Office compatible. Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this foreign military sale. Other requests shall be referred to HQ ESC/GA.				ESC/GAF	0	0	0
				ESC/GAK	0	0	0
				Pack three copies with each end item	0	6	0
				HQ RAFO	0	1	0
15. TOTAL ^				0	7	0	
G. PREPARED BY Lt Jeremy Colvin		H. DATE		I. APPROVED BY Khalid Musameh		J. DATE	

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						<i>Form Approved</i> OMB No. 0704-0188	
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A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY			
D. SYSTEM/ITEM VORTAC / FMS Case MU-D-DAA		E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD			
1. DATA ITEM NO. B003	2. TITLE OF DATA ITEM Test Inspection Report			3. SUBTITLE Factory Acceptance Test (FAT) Report			
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809B		5. CONTRACT REFERENCE SOW: PARA 5.1		6. REQUIRING OFFICE ESC/GAF			
7. DD 250 REQ N/A	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ONE TIME	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION			
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE		b. COPIES	
				Draft		Final	
				Reg		Repro	
16. REMARKS BLK 4 - Contractor format is acceptable. BLK 12 - Final reports are due 15 calendar days after the successful completion of the test. BLK 14 - One hard copy with each end item upon shipment from factory. One paper copy and one electronic delivery required for ESC/GAF; Microsoft Office compatible. Contractor to suggest electronic media: e.g.; If web media is selected access to be determined by GAF If email media is selected, addresses to be provided following contract award. Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this foreign military sale. Other requests shall be referred to HQ, ESC/GA.							
				ESC/GAF (per)		0 2 0	
				ESC/GAK (per)		0 1 0	
				DCMA		0 1 0	
				Pack/ship 1 copy per VORTAC		0 2 0	
				15. TOTAL ^		0 6 0	
G. PREPARED BY Lt Jeremy Colvin		H. DATE		I. APPROVED BY Khalid Musameh		J. DATE	

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A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY			
D. SYSTEM/ITEM VORTAC / FMS Case MU-D-DAA		E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD			
1. DATA ITEM NO. B004	2. TITLE OF DATA ITEM Installation Test Procedures			3. SUBTITLE Installation & SAT Plan			
4. AUTHORITY (Data Acquisition Document No.) DI-QCIC-80511/T		5. CONTRACT REFERENCE SOW: PARA 5.2		6. REQUIRING OFFICE ESC/GAF			
7. DD 250 REQ N/A	9. DIST STATEMENT REQUIRED C	10. FREQUENCY ONE TIME	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION			
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16	a. ADDRESSEE	b. COPIES		
16. REMARKS <p>BLK 4 - Contractor format is acceptable. Sections 10.1; 10.2.3; 10., 10.2.4 and para 10.3 are applicable. In addition, include a description of equipment, services, and support required by site for Installation and SAT.</p> <p>BLK 12 - Submit 60 calendar days prior to system delivery. The Government has 30 calendar days after receipt for comment.</p> <p>BLK 13 - Final Plan is due 15 working days after receipt of Government comments.</p> <p>Two paper copies and electronic delivery required; Microsoft Office compatible. Contractor to suggest electronic media: e.g.; If web media is selected access to be determined by GAF If email media is selected, addresses to be provided following contract award.</p> <p>Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this foreign military sale. Other requests shall be referred to HQ, ESC/GA.</p>					Draft	Final	
				ESC/GAF (per)	1	3	0
				ESC/GAK (per)	0	1	0
				DCMA (per)	0	1	0
				15. TOTAL ^			
G. PREPARED BY Lt Jeremy Colvin		H. DATE		I. APPROVED BY Khalid Musameh		J. DATE	

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A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY					
D. SYSTEM/ITEM VORTAC / FMS Case MU-D-DAA			E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD				
1. DATA ITEM NO. B005		2. TITLE OF DATA ITEM Installation Test Report			3. SUBTITLE Installation & SAT Report				
4. AUTHORITY (Data Acquisition Document No.) DI-QCIC-80512/T			5. CONTRACT REFERENCE SOW: PARA 5.2		6. REQUIRING OFFICE ESC/GAF				
7. DD 250 REQ N/A		9. DIST STATEMENT REQUIRED C		10. FREQUENCY ONE TIME		12. DATE OF FIRST SUBMISSION SEE BLK 16			
8. APP CODE A		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16		14. DISTRIBUTION			
16. REMARKS BLK 4- Contractor format is acceptable. - Add para "10.1.e Report deviations from the test plan with explanations." BLK 12 - Submit 15 calendar days after completion of each test. BLK 13 - Final reports are due 15 calendar days after receipt of Government comments. Two paper copies and electronic delivery required; Microsoft Office compatible. Contractor to suggest electronic media: e.g.; If web media is selected access to be determined by GAF If email media selected, addresses to be provided following contract award. Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this foreign military sale. Other requests shall be referred to HQ, ESC/GA.						a. ADDRESSEE		b. COPIES	
						Draft		Final	
						ESC/GAF (per)		1 3 0	
						ESC/GAK (per)		0 1 0	
						DCMA (per)		0 1 0	
						15. TOTAL ^		1 5 0	
G. PREPARED BY Lt Jeremy Colvin			H. DATE		I. APPROVED BY Khalid Musameh		J. DATE		

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A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY							
D. SYSTEM/ITEM VORTAC / FMS Case MU-D-DAA			E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD						
1. DATA ITEM NO. B006		2. TITLE OF DATA ITEM Integrated Master Schedule			3. SUBTITLE Monthly Milestone Schedules						
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-81183A/T			5. CONTRACT REFERENCE SOW: PARA 8		6. REQUIRING OFFICE ESC/GAF						
7. DD 250 REQ N/A		9. DIST STATEMENT REQUIRED C		10. FREQUENCY Monthly		12. DATE OF FIRST SUBMISSION SEE BLK 16					
8. APP CODE		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16		14. DISTRIBUTION					
16. REMARKS BLK 4 - Block 10 DI-MISC-81183A is modified as follows: -Contractor format is acceptable. -Add: Program schedules will be based on Contractor's internal schedule documentation. The contractor shall include in the schedule: a) phases, major milestones, planning and status for production, Factory Acceptance Test, transportation and shipment for all items, licensing and export permits activities, activities required by the RAFO and Government, site preparation activities, contractor country visits, contractor set up, checkout and certification activities, and other key program activities necessary to accomplish program objectives; b) significant program progress made by the contractor between reporting dates to enable adequate visibility and timely execution of the program. -Delete para 10.5 BLK 11 - As of the end of the contractor's accounting month. BLK 12 - First submission due 30 DAC. BLK 13 - Subsequent reports are due NLT the 15th of the month One paper copy and electronic delivery required; Microsoft Office compatible. Contractor to suggest electronic media: e.g.; If web media is selected access to be determined by GAF If email media is selected, addresses to be provided following contract award. Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this foreign military sale. Other requests shall be referred to HQ ESC/GA.						a. ADDRESSEE		b. COPIES			
						Draft		Final Reg Repro			
						ESC/GAF		0		1 0	
						ESC/GAK		0		1 0	
						DCMA		0		1 0	
						15. TOTAL ^		0		3 0	
G. PREPARED BY Lt Jeremy Colvin			H. DATE		I. APPROVED BY Khalid Musameh		J. DATE				

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>						<i>Form Approved</i> <i>OMB No. 0704-0188</i>		
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A. CONTRACT LINE ITEM NO. TBD		B. EXHIBIT		C. CATEGORY				
D. SYSTEM/ITEM VORTAC / FMS Case MU-D-DAA			E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD			
1. DATA ITEM NO. B007	2. TITLE OF DATA ITEM Test/Inspection Report				3. SUBTITLE Commissioning Flight Test Report			
4. AUTHORITY <i>(Data Acquisition Document No.)</i> DI-NDTI-80809B/T		5. CONTRACT REFERENCE SOW: PARA 10.0			6. REQUIRING OFFICE ESC/GAF			
7. DD 250 REQ N/A	9. DIST STATEMENT REQUIRED	10 FREQUENCY One Time	12. DATE OF FIRST SUBMISSION SEE BLK 16		14. DISTRIBUTION			
8. APP CODE	C	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16		a. ADDRESSEE	b. COPIES		
					Draft	Final		
					Reg	Repro		
16. REMARKS Block: (4) DD Form 1664, Block 10, is tailored as follows: -Contractor format acceptable (14) The Contractor shall provide one (1) paper copy along with one (1) reproducible electronic copy (CD) to each designated agency. (12) Initial submittal: **Initial test results shall be provided to the on-site US Govt. representative upon test completion. (13) Final submittal: report(s) due 15 calendar DA the test completion. Distribution Statement C: Distribution authorized to US Government agencies and their contractors due to the sensitive nature attributed to this foreign military sale. Other requests shall be referred to HQ, ESC/GA.					ESC/GAF (per)	0	2	0
					ESC/GAK (per)	0	1	0
					DCMA (per)	0	1	0
15. TOTAL ^					0	4	0	
G. PREPARED BY Lt Jeremy Colvin			H. DATE	I. APPROVED BY Khalid Musameh		J. DATE		

DD FORM 1423-1, AUG 96 (EG)

PREVIOUS EDITION MAY BE USED

Attachment 1

Statement of Work

Category II (CAT II) Instrument Landing Systems (ILS)

22 March 2004

1.0 OBJECTIVE

This effort will replace two (2) existing Instrument Landing Systems (ILS) with Category II (CAT II) ILS at two (2) Royal Air Force Oman (RAFO) military airfields located at Masirah and Thumrait, Oman. In addition, this effort will provide a second new CAT II ILS at Masirah for a total of three (3) ILS. Masirah is a joint use field supporting civil flights while Thumrait is solely a military airfield. The ILS will be used in conjunction with other systems not included in this effort and with a VORTAC for each field being procured simultaneously with the ILS, but described separately. All equipment should be commercially available meeting applicable international standards for CAT II instrument approaches.

2.0 REFERENCE DOCUMENTS

- ILS System Requirements Document (attachment 2)
- FAA Order 6750.16C, Siting for Instrument Landing Systems, October 31, 1995
- ICAO Annex 10, Volume I, October 7, 1999 or current version with Attachment C
- ICAO Document 8168-OPS/611: Volume II - Construction of Visual and Instrument Flight Procedures, November 11, 1993
- STANAG 3374 AEt P-1(B)-- Flight Inspection of NATO Radio/Radar Navigation and Approach Aids, 24 Sept 1996
- AFMAN 11-225, United States Standard Flight Inspection Manual, May 1996 with Changes 1, 2, and 3 July 2000 <http://avnwww.jccbi.gov/icasd/docs/82001a.pdf>
- ICAO, Manual on Testing of Radio Navigation Aids. (Doc 8071) Volume I — Testing of Ground-based Radio Navigation Systems
- ISO 9000, current version

3.0 SCOPE

The contractor shall provide three (3) complete International Civil Aviation Organization (ICAO) compliant Cat II ILS--two systems to be installed at airfield located at Masirah, and one system installed at the airfield at Thumrait, Oman. The contractor shall conduct site surveys to determine the optimum location for each ILS installation (including cable routing) for the designated runways at the designated airfields, replacing an existing ILS for Runway 17 at each airfield and adding an ILS for approach to Runway 25 at Masirah. The contractor shall perform Factory Acceptance Tests (FAT), Installation & Site Acceptance Test (SAT), and provide technical support for Commissioning Flight Tests. The contractor shall provide operator and maintainer training, operator and maintenance manuals, a three-year supply of spare parts, and any special test equipment, tools, and instruments. The contractor shall prepare all items for shipment to respective sites in Oman. Actual shipping will be by a designated Freight Forwarder engaged by the RAFO. All equipment shall be warranted for five years.

4.0 TASK STATEMENT

4.1 PRIME MISSION EQUIPMENT. The contractor shall provide three (3) Cat II fixed ILS systems with localizer, glideslope, near and far field monitors, remote control and status equipment, remote maintenance

capability, and installation kits, to include electronics, outfitted equipment shelters (option item, as required), and all necessary cabling and interconnects including communication cables to the air traffic control tower. The contractor shall provide a Middle Marker Beacon for each ILS. Each ILS shall have battery backup system (uninterruptible power source (UPS)). The system shall continue to operate normally during fluctuations in the electrical supply to the system. The ILS localizer and glideslope electronic subsystems shall consist of dual frequency, dual transmitter, dual monitor configuration. These subsystems shall be furnished with antenna elements, transmitting tower, obstruction lighting, grounding kits, and all cabling and accessories needed for a complete installation. All required cabling for installation between equipment locations required for installation by RAFO shall be available prior to systems' delivery to ensure completion of works in support of installation. A portable maintenance data terminal with all required software and a minimum of an RS-232 cable and standard dial-up telephone interface shall be provided. The electronic systems shall be capable of remote access for maintenance support (e.g., via modem). The localizer, glideslope, and marker beacon subsystems shall each be provided with an electronic equipment shelter (as required and determined by respective site survey). Shelters shall be equipped with thermostatically controlled air conditioning, heating (if required), and ventilation equipment to ensure continuous operation in its intended environment and shall be completely wired including interior and exterior lighting with switches, electrical outlets, telephone jacks, circuit breaker panel, and power line surge suppression equipment (assume 220-240 VAC 50 Hz). Interior shelter accessories shall include a workbench, storage cabinet, telephone and shelving. The contractor shall use best commercial practices during production and testing. Due to the extreme conditions at each location the contractor shall pay particular attention to the need to provide over temperature protection in the event of loss of air conditioning (e.g., under battery back-up power) and to provide protections against environmental effects such as erosion of protective surfaces due to wind-born sand, exposure to corrosive effects of salt (proximity to salt water) and UV exposure from extended sunlight.

4.2 SITE SURVEY. The contractor shall conduct detailed site surveys at the designated airfields in Oman within 60 days of contract award. The contractor shall collaborate with the RAFO to determine the optimum locations at each airfield for locating the ILS system components and wiring. Each ILS shall be sited in accordance with ICAO Annex 10, Volume I, Attachment C. The system shall meet ICAO Annex 10 Category II operational standards in the intended operational environment including, but not limited to, multi-path, obstructions, reflections, electromagnetic interference, and collocation with existing equipment. The contractor, working in conjunction with the RAFO, shall identify the exact locations for each ILS component, and provide documentation that details all site preparation requirements, to include power, communications, cable runs, hard surface pads, interference mitigation, etc. The contractor should consider use of existing ILS support structures and facilities, where possible, to minimize overall costs. The contractor shall prepare drawings suitable for construction of support structures, running system cables (as provided by the contractor), establishing power sources, and document the findings in a site survey report to be delivered within 90 days of contract award. The contractor shall be responsible for supplying accurate information and construction drawings to enable the RAFO to accomplish required grading and construct the permanent sites for location of each equipment component. Any specific installation support required of the RAFO shall be discussed during the site survey informal outbriefing and detailed in the report.

CDRL	DID	TITLE	SUBTITLE
A001	DI-MISC-81381	Site Survey Report	Site Survey Drawings and Report

4.3 MAINTENANCE AND REPAIR. The RAFO will implement two levels of maintenance support for the ILS: (1) organization, and (2) factory/depot. Organization-level maintenance will be performed IAW applicable technical manuals. RAFO personnel will be trained to perform limited organizational maintenance (i.e. minor repairs), or replace consumable items, failed modules and Line Replaceable Units (LRUs). Factory/depot-level maintenance support will provide for the repair/replacement of modules or LRUs. Failed modules or LRUs will be returned to a Contractor-designated facility for repair/replacement, as appropriate (such location being termed the depot).

4.3.1 SITE/OPERATING SPARES, SPARE MODULES AND REPAIR PARTS. The contractor shall provide a quantity of site/operating spares, spare modules and repair parts with each ILS sufficient to support/sustain on-site maintenance operations for three (3) years, under normal operating conditions, without replenishment.

4.3.2 TEST EQUIPMENT AND SPECIAL TOOLS. The contractor shall provide with each ILS (a total of three (3) sets) all test equipment and special tools (e.g., spectrum analyzers, multimeters, oscilloscopes, frequency generators, extender boards, test cables) required to detect and isolate system failures, and to perform organization-level repair and preventive maintenance; to be shipped concurrently with each ILS.

4.3.3 TECHNICAL DATA. The contractor shall provide three (3) sets of operation and maintenance manuals with each ILS for a total of nine (9); manuals to be packed for shipment with each individual system. The contractor shall also deliver one (1) set of operation and maintenance manuals to HQ RAFO (overall total of ten (10) sets). The manuals shall include, as a minimum, instructions on operations and maintenance, spare parts information, warranty and warranty repair procedures, and include a standard commercial Illustrated Parts Breakdown (IPB). The operation and maintenance manuals shall be suitable to support system operations and the performance all on-site maintenance (including preventive maintenance). The manuals shall be of a type and technical quality that are normally supplied to a customer who intends to do organization-level repair and preventive maintenance. The manuals shall be in the English language.

CDRL	DID	TITLE	SUBTITLE
A002	DI-TMSS-80527A/T	COTS Manuals and Associated Supplemental Data	COTS Manuals

4.4 PACKAGING AND SHIPPING. Upon successful completion of Factory Acceptance Tests, the contractor shall pack all items for shipment to the end locations in Oman using best commercial practices and in close coordination with Oman's Freight Forwarder. The contractor should be cognizant of the relative isolation of the two (2) airfields, ocean transport, and the need to provide an extra measure of caution in preparations for shipment. A copy of the spare parts listing shall be packed with the spares and an additional copy shall be included with the shipping documents for inventory purposes. The spare parts and test equipment lists shall contain, at minimum, the following information for each item:

Quantity	Unit of measure
Part number	Description
Unit price	Extended price

The contractor shall comply with all shipment and export procedures of the U.S. Government. The contractor shall obtain all required export licenses and permits for shipment of ILS equipment and associated contractor test and support equipment. The contractor shall notify the Contracting Officer and US Air Force Program Manager no later than five (5) business days prior to availability for shipment and identify the equipment being shipped, number of containers, destination(s), and other relevant shipment information. The contractor shall consolidate the shipments into the fewest practical number of containers and the fewest practical number of actual shipments. The contractor shall include a copy of the items being shipped (e.g. listing of prime mission equipment, spare parts, documents, test equipment, etc.) and their value with the shipping documents for inventory purposes. The contractor shall include the following information in a prominent manner in the container shipping labels and invoices:

Ministry of Defense Articles)
Contract Number (to be provided upon contract award)
FMS Requirement MU-D-DAA
LOA Line Item 001 thru 004
Cat II Instrument Landing Systems

4.5 INSTALLATION. The contractor shall install the ILS and all associated equipment at each site. Installation of the ILS systems shall begin following notification by the Government Program Office that site preparations are complete.

5.0 TESTING

5.1 FACTORY ACCEPTANCE TEST. The contractor shall test the ILS equipment at the factory using standard commercial Factory Acceptance Test (FAT) procedures. Defense Contract Management Agency (DCMA) office and Government Program Office shall be allowed to observe/participate, as appropriate, and shall be notified of the time and place of FAT at least 14 days prior to testing. The contractor shall notify the Government Contracting Officer (PCO) upon successful completion of FAT, and submit a FAT report, for all items, IAW CDRL requirement.

CDRL	DID	TITLE	SUBTITLE
A003	DI-NDTI-80809B	Test/Inspection Report	FAT Report

5.2 INSTALLATION AND SITE ACCEPTANCE TEST. The contractor shall perform Installation and Site Acceptance Test (SAT) at each ILS site IAW government approved Installation & SAT plans. The contractor may propose to use a single plan with alternatives noted to accommodate site differences. Upon successful completion of Installation & SAT, the contractor shall certify each ILS system readiness for Commissioning Flight Test. The contractor shall submit installation test procedures and final test report IAW CDRL requirements.

CDRL	DID	TITLE	SUBTITLE
A004	DI-QCIC-80511/T	Installation Test Procedures	Installation & SAT Plan
A005	DI-QCIC-80512/T	Installation Test Report	Installation & SAT Report

6.0 TECHNICAL ASSISTANCE. The contractor shall provide technical assistance as required to support initial Commissioning Flight Test of each ILS system. It is estimated that this will require five (5) workdays per ILS system. In coordination with the RAFO, the contractor shall make adjustments and alignments to the equipment as required.

7.0 TRAINING. The contractor shall provide in-country ILS operations and maintenance training (to include all associated training materials and/or equipment) to designated RAFO personnel; subject training to begin within 30 days of Installation & SAT. The objective of the training will be to provide the necessary skills to independently operate and/or maintain ILS and related support equipment. Operations training shall be sufficient for personnel to access all operational modes of ILS. Maintenance training shall be consistent with the operational concept as described in para. 4.3, above. All instruction and technical information shall be in the English language.

8.0 SCHEDULE REPORTING REQUIREMENTS. The contractor shall develop and maintain an integrated master program schedule showing the planned and actual start dates, duration, and completion dates of key activities. Key activities include, but are not limited to, obtaining export/import license, site surveys, production, testing, and preparation for shipment to meet the contract delivery schedule. The contractor shall provide this schedule to the Government Program Office monthly.

CDRL	DID	TITLE	SUBTITLE
A006	DI-MISC-81183A/T	Integrated Master Schedule	Monthly Milestone Schedules

9.0 CONFERENCES AND REVIEWS. The contractor shall host a post-award conference in the form of a program management review (PMR) at their facility within 30 days of contract award. Additional PMRs will be scheduled at approximately six (6) month increments. The location of the PMR will alternate between

Oman and the contractor's facility every six (6) months. The contractor shall conduct one Technical Exchange Meeting (TEM) at its facility after the site survey reports have been submitted for approval, approximately three months after contract award, to address production status, site survey results/recommendations, installation planning, and other significant contract activities. Additional TEM(s) will be scheduled at approximately six (6) month intervals. The USAF Program Manager and contractor shall jointly develop the agenda for these meetings. The USAF Program Manager will attempt to schedule any PMR or TEM held in Oman in conjunction with other in-country activities.

10.0 COMMISSIONING FLIGHT TEST OPTION. As an option to the contract, the contractor shall provide, following successful SAT, aircraft services and associated equipment to perform the Commissioning Flight Test for each ILS. It is estimated that this effort, if required, will require five (5) workdays per ILS. The contractor shall submit a final test report IAW CDRL A007 requirements.

CDRL	DID	TITLE	SUBTITLE
A007	DI-NDTI-80809B/T	Test/Inspection Report	Commissioning Flight Test Report

11.0 SECURITY PROVISIONS. Information gained in the course of executing this contract shall be subject to the "Disclosure of Information Clause - Dec 1991."

12.0 SPECIAL PROVISIONS

13.0 WARRANTY. The contractor shall provide a five-year standard commercial warranty. The warranty shall commence six (6) months from date of delivery to the Freight Forwarder or upon successful completion of Site Acceptance Test (SAT), whichever occurs first. In addition to the warranty, the contractor shall visit each site annually to ensure effective performance and condition of all elements of each ILS (a total of five (5) visits).

Attachment 2

System Requirements Document

Category II Instrument Landing Systems (ILS)

22 March 2004

- Each ILS shall meet the requirements for Category II precision approaches in accordance with ICAO Annex 10, Volume I, Attachment C.
- Each ILS shall consist of a complete dual redundant electronics system, including automatic transfer and shutdown.
- Each ILS shall be produced in an ISO 9000 qualified facility.
- ILS subsystems shall be of a solid state design.
- Each ILS system shall be microprocessor controlled, and designed for ease of installation, high reliability and maximum attention to fail safe characteristics in all monitoring systems.
- Each remote maintenance monitoring system shall meet the requirements of ICAO Annex 10 Volume 1, and include remote control and status equipment.
- The Built-In Test Equipment (BITE) shall provide continuous assessment of equipment/system status, to identify out-of-tolerance parameters, and assist organization-level maintenance personnel in identifying/isolating failed LRU(s) for repair/replacement.
- Each ILS shall provide BITE with fault diagnostics to the LRU accessible from a remote location (e.g., via modem). Remote locations shall include both a central location in Oman and the contractor's support facility (capable of being enabled and disabled by the RAFO).
- ILS equipment shall operate using 240 VAC/50Hz input power sources.
- Circuit breakers and fuses on AC & DC power lines and internal circuits and surge suppression devices shall offer maximum protection for the equipment.
- Each battery backup (UPS) shall provide a minimum of four (4) hours continuous operation of the system (electronic equipment), but is not required to support ancillary equipment such as shelter lighting, air conditioning, heating, etc.
- Each equipment shelter shall include dual air conditioner/heater, vent fan, interior lighting and an electrical power distribution system sufficient to maintain the ambient environmental conditions within the operating range of the equipment.
- In the event of failure of operation of environmental control systems to maintain ambient temperatures within the operating range of the equipment, the equipment shall provide a warning and shut down automatically to protect from overheating.
- Each shelter shall be capable of withstanding wind loads of 100 mph in its installed condition and have a useful life expectancy of at least 15 years.
- Each Localizer antenna system shall consist of a 14-element (minimum) wide aperture Log Periodic Dipole (LPD) array of the Capture-effect design and meet the requirements for Category II precision approaches in accordance with ICAO Annex 10, Volume I.
- Glideslope equipment shall meet the requirements for Category II precision approaches in accordance with ICAO Annex 10, Volume I.
- Near and far field monitors shall be provided for each ILS.
- Middle Marker Beacons (transmitter, antenna, monitor, and battery charger/power supply) shall be provided as required for each installation.

- All Localizer, Glideslope, and Marker Beacon equipment shall be capable of withstanding wind loads of 100 mph.
- Obstacle lights and lightning rods shall be provided.
- Spares shall be of the same quality as originally installed equipment.
- Factory Acceptance Test (FAT), Installation & Site Acceptance Test (SAT), and technical support to Commissioning Flight Test shall be provided for each system.

Attachment 3

Statement of Work

Very High Frequency (VHF) Omnidirectional Range (VOR) Tactical Air Navigation (TACAN) VORTAC

22 March 2004

1.0 OBJECTIVE

This effort will replace two (2) existing VORTAC systems presently located at the Royal Air Force Oman (RAFO) airbases at Masirah and Thumrait, Oman. Masirah is a joint use field supporting civil flights while Thumrait is solely a military airfield. The VORTAC will be used in conjunction with other systems not included in this effort and with Instrument Landing System (ILS) equipment for each field being procured simultaneously with the VORTAC, but described separately. All equipment should be commercially available meeting applicable international standards.

2.0 REFERENCES

- VORTAC System Requirements (attachment 4)
- ISO 9000, current version
- NATO STANAG 5034, 20 Dec 1989
- ICAO Annex 10, relevant sections, October 7, 1999 or current version with Attachment C
- FAA Order 6820.10, 17 Apr 86, VOR, VOR/DME and VORTAC Siting Criteria
<http://isddc.dot.gov/OLPFiles/FAA/005528.pdf>
- MIL-STD-291B, Standard Tactical Air Navigation (TACAN) Signal
- AFMAN 11-225, United States Standard Flight Inspection Manual, May 1996 with Changes 1, 2, and 3 July 2000 <http://avnwww.jccbi.gov/icasc/docs/82001a.pdf>
- ICAO, Manual on Testing of Radio Navigation Aids. (Doc 8071) Volume I — Testing of Ground-based Radio Navigation Systems
- STANAG 3374 AEt P-1(B)-- Flight Inspection of NATO Radio/Radar Navigation and Approach Aids, 24 Sept 1996

3.0 SCOPE

The contractor shall use best commercial practices to produce, test, and install two (2) VORTAC systems, including dual electronics, outfitted shelter, antenna and all necessary cabling and interconnects. The contractor shall conduct site surveys to inspect the existing VORTAC sites and provide detailed guidance to the RAFO for site preparation including civil works and locations of any cable routing. The contractor shall perform Factory Acceptance Tests (FAT), Installation & Site Acceptance Test (SAT), and provide support for Commissioning Flight Tests. The contractor shall provide operator and maintainer training, operator and maintenance manuals, a three-year supply of spare parts, and any special test equipment, tools, and instruments. The contractor shall prepare all items for shipment to respective sites in Oman. Actual shipping will be by a designated Freight Forwarder engaged by the RAFO. All equipment shall be warranted for five years.

4.0 TASK STATEMENT

4.1 PRIME MISSION EQUIPMENT. The contractor shall provide two (2) dual VORTAC systems with remote control and status equipment, remote maintenance capability, antenna and installation kits, to include

electronics, outfitted equipment shelters (option item, as required), and all necessary cabling and interconnects including communication cables to the air traffic control tower. The electronic systems shall be capable of remote access for maintenance support. Each VORTAC shall have a battery backup system (uninterruptible power source (UPS)). The system shall continue to operate normally during fluctuations in the electrical supply to the system. The system shall include obstruction lighting, grounding kits, and all cabling and accessories required for installation. Shelters shall be equipped with thermostatically controlled air conditioning, heating, and ventilation equipment to ensure continuous operation in its intended environment and shall be completely wired including interior and exterior lighting with switches, electrical outlets, telephone jacks, circuit breaker panel, and power line surge suppression equipment. Interior shelter accessories shall include a workbench, storage cabinet, telephone and shelving. The contractor shall be aware of and pay special attention to the extreme operating conditions in Oman, and shall provide sufficient environmental controls to ensure that the VORTAC system is maintained within its operational temperature range. Due to the extreme conditions at each location the contractor shall pay particular attention to the need to provide over temperature protection in the event of loss of air conditioning (e.g., under battery back-up power) and to provide protections against environmental effects such as erosion of protective surfaces due to wind-born sand, exposure to corrosive effects of salt (proximity to salt water) and UV exposure from extended sunlight.

4.2 SITE SURVEY. The contractor shall conduct detailed site surveys at the designated airfields in Oman. The contractor shall collaborate with the RAFO to determine the optimum locations at each airfield for locating the VORTAC. The contractor shall consider use of existing VORTAC support structures and facilities, where possible, to minimize overall costs to the RAFO. Each VORTAC shall be sited in accordance with ICAO Annex 10, Volume I, Attachment C. The system shall meet ICAO operational standards in the intended operational environment including, but not limited to, multi-path, obstructions, reflections, electromagnetic interference, and collocation with existing equipment. The contractor, working in conjunction with the RAFO, shall identify the exact locations for each VORTAC component, and provide documentation that details all site preparation requirements, to include power, communications, cable runs, hard surface pads, interference mitigation, etc. The contractor shall prepare drawings suitable for construction of support structures and routing of electrical and signal cables, and document the findings in a Site Survey report. The contractor shall be responsible for supplying accurate information and construction drawings to enable the RAFO to accomplish required grading and construct the permanent sites for location of each equipment component. In the case of re-use of existing facilities the contractor shall identify, in conjunction with the RAFO, the installation approach that minimizes the loss of availability of the existing VORTAC and operational impact when the existing VORTAC is taken out of service. In the case of construction within areas expected to interfere with existing system performance, the contractor shall identify, in conjunction with the RAFO, the installation approach that minimizes the operational impact. The contractor shall make explicit trade-offs between alternative installation approaches and provide rationale for the proposed approach. Any specific installation support required of the RAFO shall be discussed during the site survey outbriefing and detailed in the subsequent report.

CDRL	DID	TITLE	SUBTITLE
B001	DI-MISC-81381	Site Survey Report	Site Survey Drawings and Report

4.3 MAINTENANCE AND REPAIR. The RAFO will implement two levels of maintenance support for the VORTAC: (1) organization, and (2) factory/depot. Organization-level maintenance will be performed IAW applicable technical manuals. RAFO personnel will be trained to perform limited organizational maintenance (i.e. minor repairs), or replace consumable items, failed modules and Line Replaceable Units (LRUs). Factory/depot-level maintenance support will provide for the repair/replacement of modules or LRUs. Failed modules or LRUs will be returned to a Contractor-designated facility for repair/replacement, as appropriate (such location being termed the depot).

4.3.1 SITE/OPERATING SPARES. The contractor shall provide a quantity of site/operating spares and spare modules and repair parts with each VORTAC sufficient to support/sustain on-site maintenance operations for three (3) years, under normal operating conditions, without replenishment.

4.3.2 TEST EQUIPMENT AND SPECIAL TOOLS. The contractor shall provide one (1) set (to each airfield, shipped concurrently with the VORTACs) of all test equipment and special tools (e.g., spectrum analyzers, multi-meters, oscilloscopes, frequency generators, extender boards, test cables) required to detect and isolate system failures, and to perform organization level repair and preventive maintenance.

4.3.3 TECHNICAL DATA. The contractor shall provide three (3) sets of operation and maintenance manuals with each VORTAC for a total of six (6); manuals to be packed for shipment with each individual system. The contractor shall also deliver one (1) set of operation and maintenance manuals to HQ RAFO (overall total of seven (7) sets). The manuals shall include instructions on operations and maintenance, spare parts information, warranty and warranty repair procedures, and include a standard commercial Illustrated Parts Breakdown (IPB). The operation and maintenance manuals shall be suitable to support system operations and the performance all on-site maintenance (including preventive maintenance). The manuals shall be of a type and technical quality that are normally supplied to a customer who intends to do organization-level repair and preventive maintenance. The manuals shall be in the English language.

CDRL	DID	TITLE	SUBTITLE
B002	DI-TMSS-80527A/T	COTS Manuals and Associated Supplemental Data	COTS Manuals

4.4 PACKAGING AND SHIPPING. Upon successful completion of Factory Acceptance Tests, the contractor shall pack all items for shipment to the end locations in Oman using best commercial practices and in close coordination with Oman's Freight Forwarder. The contractor should be cognizant of the relative isolation of the two (2) airfields, ocean transport, and the need to provide an extra measure of caution in preparations for shipment. A copy of the spare parts listing shall be packed with the spares and an additional copy shall be included with the shipping documents for inventory purposes. The spare parts and test equipment lists shall contain, at minimum, the following information for each item:

Quantity	Unit of measure
Part number	Description
Unit price	Extended price

The contractor shall comply with all shipment and export procedures and restrictions of the U.S. Government. The contractor shall obtain all required export licenses and permits for shipment of VORTAC equipment and associated contractor test and support equipment. The contractor shall notify the Contracting Officer and US Air Force Program Manager no later than five (5) business days prior to availability for shipment and identify the equipment being shipped, number of containers, destination(s), and other relevant shipment information. The contractor shall consolidate the shipments into the fewest practical number of containers and the fewest practical number of actual shipments. The contractor shall include a copy of the items being shipped (e.g., listing of prime mission equipment, spare parts, documents, test equipment, etc.) and their value with the shipping documents for inventory purposes. The contractor shall include the following information in a prominent manner in the container shipping labels and invoices:

Ministry of Defense Articles
Contract Number (to be provided upon contract award)
FMS Requirement MU-D-DAA
LOA Line Items 001 thru 004
VORTAC Systems

4.5 INSTALLATION. The contractor shall install the VORTAC and all associated equipment at each site. Installation of the VORTAC systems shall begin following notification by the Government Program Office that site preparations are complete.

5.0 TESTING

5.1 FACTORY ACCEPTANCE TEST. The contractor shall test the VORTAC equipment at the factory using standard commercial Factory Acceptance Test (FAT) procedures. Defense Contract Management Agency (DCMA) office and the Government Program Office shall be allowed to observe/participate, as appropriate, and shall be notified of the time and place of FAT at least 14 days prior to testing. The contractor shall notify the Government Contracting Officer (PCO) upon successful completion of FAT, and submit a FAT report, for all items, IAW CDRL requirement.

CDRL	DID	TITLE	SUBTITLE
B003	DI-NDTI-80809B	Test/Inspection Report	FAT Report

5.2 INSTALLATION AND SITE ACCEPTANCE TEST. The contractor shall perform Installation and Site Acceptance Test (SAT) at each VORTAC site IAW government approved Installation & SAT plans. The contractor may propose to use a single plan with alternatives noted to accommodate site differences. Upon successful completion of Installation & SAT, the contractor shall certify each VORTAC system readiness for Commissioning Flight Test. The contractor shall submit installation test procedures and final test report IAW CDRL requirements.

CDRL	DID	TITLE	SUBTITLE
B004	DI-QCIC-80511/T	Installation Test Procedures	Installation & SAT Plan
B005	DI-QCIC-80512/T	Installation Test Report	Installation & SAT Report

6.0 TECHNICAL ASSISTANCE. The contractor shall provide technical assistance as required to support initial Commissioning Flight Test of each VORTAC system. It is estimated that this will require five (5) workdays per VORTAC system. In coordination with the RAFO, the contractor shall make adjustments and alignments to the equipment as required.

7.0 TRAINING. The contractor shall provide in-country VORTAC operations and maintenance training (to include all associated training materials and/or equipment) to designated RAFO personnel; subject training to begin within 30 days of Installation & SAT. the objective of the training will be to provide the necessary skills to independently operate and/or maintain the VORTAC and related support equipment. Operations training shall be sufficient for personnel to access all operational modes of the VORTAC. Maintenance training shall be consistent with the operational concept as described in para. 4.3, above. All instruction and technical information shall be in the English language.

8.0 SCHEDULE REPORTING REQUIREMENTS. The contractor shall develop and maintain an integrated master program schedule showing the planned and actual start dates, duration, and completion dates of key activities. Key activities include, but are not limited to, obtaining export/import license, site surveys, production, testing, and preparation for shipment to meet the contract delivery schedule. The contractor shall provide this schedule to the Government Program Office monthly.

CDRL	DID	TITLE	SUBTITLE
B006	DI-MISC-81183A/T	Integrated Master Schedule	Monthly Milestone Schedules

9.0 CONFERENCES AND REVIEWS. The contractor shall host a post-award conference in the form of a program management review (PMR) at their facility within 30 days of contract award. Additional PMRs will be

scheduled at approximately six (6) month increments. The location of the PMR will alternate between Oman and the contractor's facilities every six (6) months. The contractor shall conduct one Technical Exchange Meeting (TEM) at their facility after the site survey reports have been submitted for approval, approximately three months after contract award, to address production status, results of the site surveys for the VORTAC systems, installation planning, and other major activities of the contract. Additional TEM will be scheduled at approximately six (6) month intervals. The USAF Program Manager and contractor shall jointly develop the agenda for these meetings. The USAF Program Manager will attempt to schedule any PMR or TEM held in Oman in conjunction with other in-country activities.

10.0 COMMISSIONING FLIGHT TEST OPTION. As an option to the contract, the contractor shall provide, following successful SAT, aircraft services and associated equipment to perform the Commissioning Flight Test for each VORTAC. It is estimated that this effort, if required, will require five (5) workdays per VORTAC. The contractor shall submit a final test report IAW CDRL B007 requirements.

CDRL	DID	TITLE	SUBTITLE
B007	DI-NDTI-80809B/T	Test/Inspection Report	Commissioning Flight Test Report

11.0 SECURITY PROVISIONS. Information gained in the course of executing this contract shall be subject to the "Disclosure of Information Clause - Dec 1991."

12.0 SPECIAL PROVISIONS

13.0 WARRANTY. The contractor shall provide a five-year standard commercial warranty. The warranty shall commence six (6) months from date of delivery to the Freight Forwarder or upon successful completion of Site Acceptance Test (SAT), whichever occurs first. In addition to the warranty, the contractor shall visit each site annually to ensure effective performance and condition of all elements of each VORTAC (a total of five (5) visits).

Attachment 4

System Requirements Document

Very High Frequency (VHF) Omnidirectional Range (VOR) Tactical Air Navigation (TACAN) VORTAC

22 March 2004

- Each VORTAC system shall meet the requirements of MIL-STD-291C and perform in accordance with ICAO Annex 10, Volume I when installed at each airfield in Oman and when collocated with the new ILS and legacy equipment.
- Each VORTAC shall consist of a complete dual redundant electronics system including automatic transfer and shutdown.
- Each VORTAC shall be produced in an ISO 9000 qualified facility.
- VORTAC subsystems shall be of a solid state design.
- Each VORTAC shall be microprocessor controlled and designed for ease of installation, high reliability and maximum attention to fail safe characteristics in all monitoring systems.
- Each remote maintenance monitoring system shall meet the requirements of ICAO Annex 10 Volume 1, and include remote control and status equipment.
- Each Built-In Test Equipment (BITE) shall provide continuous assessment of equipment/system status, to identify out-of-tolerance parameters, and assist organization-level maintenance personnel in identifying/isolating failed LRU(s) for repair/replacement.
- Each VORTAC shall provide BITE with fault diagnostics to the LRU accessible from a remote location (e.g., via modem). Remote locations supported shall include both a central location in Oman and the contractor's support facility (capable of being enabled and disabled by the RAFO).
- All VORTAC equipment shall operate using 240 VAC/50 Hz input power sources.
- Circuit breakers and fuses on AC & DC power lines and internal circuits and surge suppression devices shall offer maximum protection for the equipment.
- Each battery backup (UPS) shall provide a minimum of 4 hours continuous operation of the system (electronic equipment, including antenna rotation), but is not required to support ancillary equipment such as shelter lighting, air conditioning, heating, etc.
- Each equipment shelter shall include dual air conditioner/heater, vent fan, interior lighting and an electrical power distribution system sufficient to maintain the ambient environmental conditions within the operating range of the equipment.
- In the event of failure of operation of environmental control to maintain ambient temperatures with operating range of the equipment, the equipment shall provide a warning and shall shut down automatically to protect from overheating.
- Each shelter shall be capable of withstanding wind loads of 100 mph in its installed condition and have a useful life expectancy of at least 15 years.
- The VORTAC antenna structures shall be capable of withstanding wind loads of 100 mph in its installed condition and have a useful life expectancy of at least 15 years.
- Obstacle lights and lightning rods shall be provided.
- Spares shall be of the same quality as originally installed equipment.
- Factory Acceptance Test (FAT), Installation & Site Acceptance Test (SAT), and technical support to Commissioning Flight Test shall be provided for each system.

Attachment 5

SMALL BUSINESS SUBCONTRACTING PLAN

PAYMENT PLAN - CONTRACT ATTACHMENT 6

CLIN	Payment Amount	Contract Plan Payment Description	Target Date
1	15% of CLIN Price	INSTRUMENT LANDING SYSTEM (ILS)	Contract Award
2	"	ILS SHELTERS	"
3	"	OPTION FOR ADDED ILS SHELTERS	When Exercised
4	"	ILS MIDDLE MARKERS	Contract Award
5	"	ILS SPARE PARTS	"
6	"	ILS TEST EQUIPMENT	"
7	"	ILS SITE SURVEYS	"
8	"	ILS INSTALLATION & SAT	"
9	"	ILS TRAINING	"
10	"	ILS TECH SUPPORT FOR COMMISSIONING FLIGHT	"
11	"	OPTION FOR ILS COMMISSIONING FLIGHT TEST	When Exercised
12	"	ILS PUBLICATIONS	Contract Award
13	"	DATA	"
14	"	VORTAC SYSTEMS	"
15	"	VORTAC SHELTERS	"
16	"	OPTION FOR ADDITIONAL VORTAC SHELTER	When Exercised
17	"	VORTAC SPARE PARTS	Contract Award
18	"	VORTAC TEST EQUIPMENT	"
19	"	VORTAC SITE SURVEYS	"
20	"	VORTAC INSTALLATION & SAT	"
21	"	VORTAC TRAINING	"
22	"	VORTAC TECH SUPPORT FOR COMMISIONING FLIGHT TEST	"
23	"	OPTION FOR VORTAC COMMISSIONING FLIGHT TEST	When Exercised
24	"	VORTAC PUBLICATIONS	Contract Award
25	"	DATA	"

NO OTHER FINANCING IS CONTEMPLATED

ATTACHMENT 7

INSTRUCTIONS FOR PROPOSAL PREPARATION (IFPP)

1. The offeror shall submit an original and three (3) copies of each proposal, plus an electronic copy. The Offeror may submit one, or two, or three separate proposals, as follows. Offerors may provide separate proposals for three (3) ILS systems, and/or two (2) VORTAC systems, and/or a combined offer for three (3) ILS systems and two (2) VORTAC systems (ALL CLINS). There are three general categories of selection criteria for the Oman FMS Case MU-D-DAA Source Selection: (1) Past Performance, (2) Mission Capability, and (3) Price.

2. Instructions - Past Performance:

As part of the source selection, the Government will evaluate the offerors relevant past performance to establish a level of confidence in the offeror's ability to successfully perform the activities required under this contract. Offerors shall identify past performance that is relevant to the ILS and/or VORTAC equipment that is proposed to be delivered under this contract. Offerors may identify up to five (5) instances of relevant past performance. For each instance of relevant past performance that the offeror identifies, the offeror shall provide the following information:

- a. A description of the products and/or services that the offeror has previously provided. Where possible, this description should address the proven field usage of the relevant equipment (e.g., the ILS and/or VORTAC)
- b. The name, address, and phone number of the Government Contracting Officer (or if it was a commercial sale, the name, address, and phone number of the business point of contract of the Buying organization)
- c. The name address, and phone number of the current Government Program Manager (or if was a commercial sale, the name, address, and phone number of the technical point of contact of the Buying organization)
- d. The contract number
- e. The period of performance of the contract
- f. The name, address, and phone number of the Government Administrative Contracting Officer (ACO) who has cognizance over the offeror
- g. Whether the relevant past performance was based on the offeror's efforts as a prime contractor or as a subcontractor
- h. If the relevant past performance was based on the offeror's efforts as a prime contractor, then identify and describe any major portions of the effort that were subcontracted
- i. If the relevant past performance was based on the offeror's efforts as a subcontractor, then identify the business and technical points of contract for the prime contractor, and also identify the business (e.g., Government Contracting Officer) and technical (e.g., Government Program Manager) of the end user of the products and/or services.

In addition to the relevant Past Performance information that the offeror provides with his proposal, the Government may also obtain and evaluate past performance information obtained through Contractor Performance Assessment Reporting System (CPARS) documents, questionnaires, Defense Contract Management Agency, interviews with program managers and contracting officials, and/or other sources known to the Government.

3. Instructions - Mission Capability:

Description of Equipment and Services: Offerors shall establish that the proposed equipment items and services are designed to meet all requirements of the solicitation; in this regard, the Offeror shall provide:

- a. System Specification(s) of the equipment being proposed
- b. Proposed strategies/approaches addressing:
 - i. Reliability Assurance processes
 - ii. Factory Acceptance Test (FAT)

- iii. Installation and Site Acceptance Test (SAT)
 - iv. Mitigation of ambient environmental effects on system's operational capability
- c. A preliminary list of consumables, spare parts, spare modules as well as specialized tools and test equipment to support the ILS and VORTAC systems for a period of 3 years without replenishment. The list shall include part descriptions, part numbers, quantity, and Unit Identification (U/I). Selection of the types and quantities of spares to be provided shall be justified by operational experience and/or analysis.
- d. Warranty and detailed warranty procedures

Program Schedule. Offerors shall propose a comprehensive Integrated Master Schedule (IMS) identifying/addressing all key activities supporting the solicitation's requirements. Key activities shall include, but not be limited to, the following: site surveys: schedule of USG and/or Oman required actions: deliveries of prime mission equipment and/or services: licensing and export permits: site preparation: subcontractor involvement (as applicable); system installation, site acceptance testing, commissioning flight test(s): warranty coverage: CDRL submissions: and any other critical program elements, as appropriate.

4. Instructions - Price Proposal:

- a. The Offeror may provide proposed prices for:
 - i. Three (3) ILS systems (CLINs 0001-0013), and/or
 - ii. Two (2) VORTAC systems (CLINs 0014-0025), and/or
 - iii. Combined offer for Three (3) ILS systems and Two (2) VORTAC systems (ALL CLINs)
- b. Prices should be proposed at the CLIN level for each of the applicable CLINs within the Offeror's proposal. The Government reserves the right to request additional pricing information in accordance with FAR Part 12. In addition, the offeror should provide pricing information for sales of similar systems within the last three (3) years.

5. Instructions - Additional Requirements for Proposal Submission: Offerors must submit a proposal that includes the following. Failure to submit the following will result in rejection of the proposal:

- a. Technical Proposal (see above, includes schedule)
- b. Past Performance (see above)
- c. Price Proposal (see above).
- d. Completed copy of Solicitation for Commercial Items, Standard Form 1449.
- e. Completed Representations and Certifications (see provision section of solicitation).
- f. Small Business subcontracting plan (see paragraph 6f, below).

6. Instructions for Completing the Model Contract:

- a. Standard Form 1449, "Solicitation/Contract/Order For Commercial Items" (fill in Blocks 30a, 30b, and 30c).
- b. In the "Supplies or Services" Section of the contract:
 - (1) For each CLIN (Contract Line Item Number) that has a "QTY" (Quantity) of "1" (except as set forth in subparagraphs "c" and "d" below), the Offeror shall insert the price of that CLIN under both "Unit Price" and "Total Item Amount" of that CLIN (i.e., the Offeror shall insert the same number on both lines).
 - (2) For each CLIN that has a "QTY" that is greater than 1 (e.g., CLINs 0001, 0002, 0004, and 0014), the Offeror shall insert the price of 1 unit on the line for "Unit Price", and the Offeror shall insert the total price for all units under that CLIN on the line for "Total Item Amount".
 - (3) For each CLIN (e.g., CLINs 0013 and 0025) that is Not Separately Priced (i.e., the price of that CLIN is included within the price of another CLIN), the Offeror shall insert "NSP" on the line for "Unit Price" and also on the line for "Total Item Amount".

- (4) For each Option CLIN (e.g., CLINs 0003, 0011, 0016, and 0023), under "Descriptive Data" the Offeror shall fill-in the requested information, such as the Unit Price.
- c. Schedule Section G – Contract Administration Data
 - (1) Offerors shall provide the name and contact information for their transportation officer.
 - (2) Offerors shall provide the requested information on their remittance address.
 - (3) Offerors shall provide their Taxpayer Identification Number.
- d. The Offeror's proposal shall be in accordance with the Provision at FAR 52.212-1 entitled "Instructions to Offerors – Commercial Items (Jan 2004)" which is incorporated into this solicitation by reference. However, under Paragraph (g) "Contract Award", the first three sentences are deleted in their entirety and are replaced with: "As part of the process to evaluate offers and award a contract, the Government intends to conduct discussions with offerors who are in the competitive range."
- e. The Provision at FAR 52.212-3 entitled "Offer or Representations and Certifications – Commercial Items (Jan 2004), with its Alternate I (dated April 2002), is included in this solicitation. Offeror shall complete and return these Representations and Certifications with their proposal.
- f. The Offeror shall submit a Small Business Subcontracting Plan that is in accordance with the requirements of the clauses at FAR 52.219-8 entitled "Utilization of Small Business Concerns (Oct 2000)" and 52.219-9 entitled "Small Business Subcontracting Plan (Jan 2002)", both of these clauses are incorporated by reference into this solicitation and also into the resultant contract. Failure to submit an acceptable Small Business Subcontract Plan shall make the offeror ineligible for award. The Small Business Subcontracting Plan will be a material part of the contract that is awarded, and the approved Small Business Subcontracting Plan shall be cited in the Contract Section J List of Attachments.
- g. The offeror may propose an alternative delivery date for the Optional ILS Shelters on Option CLIN 0003.

7. Proposal Submission Deadline - Offerors shall submit an original plus three (3) hard copies and one (1) electronic copy of each proposal to the following address not later than 12:00 Noon Eastern Standard Time on the eighteenth (18th) calendar day after the release of this solicitation. However, if this date is a Saturday or Sunday, then proposals shall be submitted NLT 12:00 Noon on the following Monday.

ESC/GAK
ATTN: Mr. John Wilder, Contracting Officer
75 VANDENBERG DRIVE (BLDG 1630, Second Floor)
HANSCOM AFB MA 01731-2103

ATTACHMENT 8

EVALUATION FACTORS FOR AWARD

1. Introduction. This section outlines the evaluation criteria the Government will consider in evaluating the Offeror's capabilities and proposals for contract award in support of FMS Case MU-D-DAA. The evaluation criteria are intended to better define the scope of evaluation to be performed. Section L, Instruction for Proposal Preparation (IFPP) of the RFP, defines the proposal elements and data required to be submitted by each offeror for this evaluation. For a proposal to result in an awardable contract it must at least meet all minimum technical requirements, conform to all required terms and conditions, and include all required certifications.

2. Basis for Contract Award. This is a competitive Source Selection conducted in accordance with AFFARS 5315, Best Value methodology. Award will be made to the offeror whose proposal conforms to the solicitation's requirements and is judged, based on the evaluation factors (past performance, mission capability and price) and subfactors, to provide the best overall value to the Government.

3. Past Performance Area. Past Performance evaluation is accomplished through assignment of a confidence rating based on assessing performance risk. The six (6) Past Performance ratings are set forth in AFFARS Table 5315-2. The main purpose of the Past Performance evaluation is to appropriately consider each offeror's demonstrated record of contract compliance in supplying products and services that meet the customer's needs, including cost and schedule. This is accomplished by reviewing aspects of the offeror's relevant Past Performance, focusing on and targeting performance which is relevant to the Mission Capability subfactors, and cost and price.

4. Mission Capability Area. Ratings will focus on the offeror's proposal strengths, proposal inadequacies and/or deficiencies. Mission Capability will be evaluated using the color ratings that are set forth in AFFARS 5315.305 (a) (3) (A) and Table 5315-3.

a. Evaluation Factors. The Mission Capability area will be evaluated on the following 5 factors:

- (1) Reliability Assurance processes
- (2) Factory Acceptance Test (FAT)
- (3) Installation & Site Acceptance Test (SAT)
- (4) Mitigation of ambient environmental effects on system's operational capability
- (5) An acceptable Small Business subcontracting plan

b. Threshold Performance Requirements, as defined in AFFARS 5315.001, are identified in the Statements of Work, the System Requirements Documents, and the CDRL Exhibits that are attached to the Model Contract as part of this solicitation. Any features or technical offerings that enhance the contract deliverables will be considered in the Best Value determination.

5. Price Area.

a. Price Reasonableness. The offeror's proposed price will be evaluated for price reasonableness, and will include the price for each option at the maximum quantity for each option.

b. Additional Costs of Two (2) Contracts. The government estimates that it will internally incur \$60,000 in additional costs to manage two contracts (i.e one contract for the ILSs, and a second contract for the VORTACs). Therefore, for evaluation purposes only, when the Government evaluates the total prices that are proposed for a separate ILS contract and a separate VORTAC

contract, and compares those total prices to the price that is proposed for one contract for both the ILS and VORTAC systems, for evaluation purposes only, the Government will subtract \$60,000 from the proposed price of the one contract for both systems. Thus, when seeking the best value, the Government will consider the actual contract prices as well as the Government's internal costs to manage the contract(s). Contract award(s) will be at the price(s) that was proposed, and not at the reduced price that was used for evaluation purposes.

6. Order of Importance of Evaluation Factors. Past Performance is more important than Mission Capability, and Mission Capability is more important than Price. Past Performance and Mission Capability together are significantly more important than price.

1. FAR 52.212-01 INSTRUCTIONS TO OFFERORS--COMMERCIAL ITEMS (Jan 2004)

Incorporated by Reference

2. FAR 52.212-02 EVALUATION--COMMERCIAL ITEMS (Jan 1999)

(a) The Government will award a contract resulting from this solicitation to the responsible offeror whose offer conforming to the solicitation will be most advantageous to the Government, price and other factors considered. The following factors shall be used to evaluate offers: Past Performance, Mission Capability, and Price.

Past Performance is more important than Mission Capability and Mission Capability is more important than Price.

(b) Options. The Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. The Government may determine that an offer is unacceptable if the option prices are significantly unbalanced. Evaluation of options shall not obligate the Government to exercise the option(s).

(c) A written notice of award or acceptance of an offer, mailed or otherwise furnished to the successful offeror within the time for acceptance specified in the offer, shall result in a binding contract without further action by either party. Before the offer's specified expiration time, the Government may accept an offer (or part of an offer), whether or not there are negotiations after its receipt, unless a written notice of withdrawal is received before award. [Contracting Officer state, in accordance with FAR 15.304, the relative importance of all other evaluation factors, when combined, when compared to price.]

3. FAR 52.212-03 OFFEROR REPRESENTATIONS AND CERTIFICATIONS--COMMERCIAL ITEMS (Jan 2004) , Alternate I , (Apr 2002)

(a) Definitions. As used in this provision:

"Emerging small business" means a small business concern whose size is no greater than 50 percent of the numerical size standard for the NAICS code designated.

"Forced or indentured child labor means all work or service--

(1) Exacted from any person under the age of 18 under the menace of any penalty for its nonperformance and for which the worker does not offer himself voluntarily; or

(2) Performed by any person under the age of 18 pursuant to a contract the enforcement of which can be accomplished by process or penalties.

"Service-disabled veteran-owned small business concern" -

(1) Means a small business concern-

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern" means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and size standards in this solicitation.

"Veteran-owned small business concern" means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans(as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned business concern" means a concern which is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

"Women-owned small business concern" means a small business concern--

(1) That is at least 51 percent owned by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(b) Taxpayer Identification Number (TIN) (26 U.S.C. 6109, 31 U.S.C. 7701). (Not applicable if the offeror is required to provide this information to a central contractor registration database to be eligible for award.)

(1) All offerors must submit the information required in paragraphs (b)(3) through (b)(5) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the Internal Revenue Service (IRS).

(2) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(3) Taxpayer Identification Number (TIN).

☐ TIN:

☐ TIN has been applied for.

☐ TIN is not required because:

☐ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

☐ Offeror is an agency or instrumentality of a foreign government;

☐ Offeror is an agency or instrumentality of the Federal Government.

(4) Type of organization.

☐ Sole proprietorship;

☐ Partnership;

☐ Corporate entity (not tax-exempt);

☐ Corporate entity (tax-exempt);

☐ Government entity (Federal, State, or local);

☐ Foreign government;

☐ International organization per 26 CFR 1.6049-4;

☐ Other

(5) Common parent.

☐ Offeror is not owned or controlled by a common parent;

☐ Name and TIN of common parent:

Name:

TIN:

(c) Offerors must complete the following representations when the resulting contract will be performed in the United States or its outlying areas. Check all that apply.

(1) Small business concern. The offeror represents as part of its offer that it ☐ is, ☐ is not a small business concern.

(2) Veteran-owned small business concern. (Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.) The offeror represents as part of its offer that it ☐ is, ☐ is not a veteran-owned small business concern.

(3) Service-disabled veteran-owned small business concern. (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (c)(2) of this provision.) The offeror represents as part of its offer that it ☐ is, ☐ is not a service-disabled veteran-owned small business concern.

(4) Small disadvantaged business concern. [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents, for general statistical purposes, that it ☐ is, ☐ is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(5) Women-owned small business concern. [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents that it ☐ is, ☐ is not a women-owned small business concern.

Note: Complete paragraphs (c)(6) and (c)(7) only if this solicitation is expected to exceed the simplified acquisition threshold.

(6) Women-owned business concern (other than small business concern). [Complete only if the offeror is a woman-owned business concern and did not represent itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents that it ☐ is a women-owned business concern.

(7) Tie bid priority for labor surplus area concerns. If this is an invitation for bid, small business offerors may identify the labor surplus areas in which costs to be incurred on account of manufacturing or production (by offeror or first-tier subcontractors) amount to more than 50 percent of the contract price:

(8) Small Business Size for the Small Business Competitiveness Demonstration Program and for the Targeted Industry Categories under the Small Business Competitiveness Demonstration Program. [Complete only if the offeror has represented itself to be a small business concern under the size standards for this solicitation.]

(i) (Complete only for solicitations indicated in an addendum as being set-aside for emerging small businesses in one of the four designated industry groups (DIGs).) The offeror represents as part of its offer that it ☐ is, ☐ is not an emerging small business.

(ii) (Complete only for solicitations indicated in an addendum as being for one of the targeted industry categories (TICs) or four designated industry groups (DIGs).) Offeror represents as follows:

(A) Offeror's number of employees for the past 12 months (check the Employees column if size standard stated in the solicitation is expressed in terms of number of employees); or

(B) Offeror's average annual gross revenue for the last 3 fiscal years (check the Average Annual Gross Number of Revenues column if size standard stated in the solicitation is expressed in terms of annual receipts).

(Check one of the following):

Number of Employees Average Annual Gross Revenues

<input type="checkbox"/> 50 or fewer	<input type="checkbox"/> \$1 million or less
<input type="checkbox"/> 51 - 100	<input type="checkbox"/> \$1,000,001 - \$2 million
<input type="checkbox"/> 101 - 250	<input type="checkbox"/> \$2,000,001 - \$3.5 million
<input type="checkbox"/> 251 - 500	<input type="checkbox"/> \$3,500,001 - \$5 million
<input type="checkbox"/> 501 - 750	<input type="checkbox"/> \$5,000,001 - \$10 million
<input type="checkbox"/> 751 - 1,000	<input type="checkbox"/> \$10,000,001 - \$17 million
<input type="checkbox"/> Over 1,000	<input type="checkbox"/> Over \$17 million

(9) (Complete only if the solicitation contains the clause at FAR 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns, or FAR 52.219-25, Small Disadvantaged business participation Program--Disadvantaged Status and Reporting, and the offeror desires a benefit based on its disadvantaged status.)

(i) General. The offeror represents that either--

(A) It [] is, [] is not certified by the Small Business Administration as a small disadvantaged business concern and identified, on the date of this representation, as a certified small disadvantaged business concern in the database maintained by the Small Business Administration (PRO-Net), and that no material change in disadvantaged ownership and control has occurred since its certification, and, where the concern is owned by one or more individuals claiming disadvantaged status, the net worth of each individual upon whom the certification is based does not exceed \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); or

(B) It [] has, [] has not submitted a completed application to the Small Business Administration or a Private Certifier to be certified as a small disadvantaged business concern in accordance with 13 CFR 124, Subpart B, and a decision on that application is pending, and that no material change in disadvantaged ownership and control has occurred since its application was submitted.

(ii) Joint Ventures under the Price Evaluation Adjustment for Small Disadvantaged Business Concerns. The offeror represents, as part of its offer, that it is a joint venture that complies with the requirements in 13 CFR 124.1002(f) and that the representation in paragraph (c)(9)(i) of this provision is accurate for the small disadvantaged business concern that is participating in the joint venture. [The offeror shall enter the name of the small disadvantaged business concern that is participating in the joint venture: .]

(10) HUBZone small business concern. [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents, as part of its offer, that--

(i) It [] is, [] is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal place of ownership, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It [] is, [] is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (c)(10)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating on the joint venture. [The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: .] Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(d) Representations required to implement provisions of Executive Order 11246--

(1) Previous Contracts and Compliance. The offeror represents that--

(i) It [] has, [] has not, participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation; and

(ii) It [] has, [] has not, filed all required compliance reports.

(2) Affirmative Action Compliance. The offeror represents that--

(i) It [] has developed and has on file, [] has not developed and does not have on file, at each establishment, affirmative action programs required by rules and regulations of the Secretary of Labor (41 CFR Parts 60-1 and 60-2), or

(ii) It ☐ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

(e) Certification Regarding Payments to Influence Federal Transactions (31 U.S.C. 1352). (Applies only if the contract is expected to exceed \$100,000.) By submission of its offer, the offeror certifies to the best of its knowledge and belief that no Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress on his or her behalf in connection with the award of any resultant contract.

(f) Buy American Act Certificate. (Applies only if the clause at Federal Acquisition Regulation (FAR) 52.225-1, Buy American Act--Supplies, is included in this solicitation.)

(1) The offeror certifies that each end product, except those listed in paragraph (f)(2) of this provision, is a domestic end product and that the offeror has considered components of unknown origin to have been mined, produced, or manufactured outside the United States. The offeror shall list as foreign end products those end products manufactured in the United States that do not qualify as domestic end products. The terms "component," "domestic end product," "end product," "foreign end product," and "United States" are defined in the clause of this solicitation entitled "Buy American Act--Supplies."

(2) Foreign End Products:

LINE ITEM NO COUNTRY OF ORIGIN

___ List line item numbers and country of origin as applicable.

(3) The Government will evaluate offers in accordance with the policies and procedures of FAR Part 25.

(g).

(1) Buy American Act--Free Trade Agreements--Israeli Trade Act Certificate (Applies only if the clause at FAR 52.225-3, Buy American Act--Free Trade Agreements--Israeli Trade Act, is included in this solicitation.)

(i) The offeror certifies that each end product, except those listed in paragraph (g)(1)(ii) or (g)(1)(iii) of this provision, is a domestic end product and that the offeror has considered components of unknown origin to have been mined, produced, or manufactured outside the United States. The terms "component," "domestic end product," "end product," "foreign end product," and "United States" are defined in the clause of this solicitation entitled "Buy American Act--Free Trade Agreements--Israeli Trade Act."

(ii) The offeror certifies that the following supplies are FTA country end products or Israeli end products as defined in the clause of this solicitation entitled "Buy American Act--Free Trade Agreements--Israeli Trade Act--Balance of Payments Program":

FTA Country or Israeli End Products

LINE ITEM NO COUNTRY OF ORIGIN

___ Insert line item numbers and country of origin, as applicable

(iii) The offeror shall list those supplies that are foreign end products (other than those listed in paragraph (g)(1)(ii) of this provision) as defined in the clause of this solicitation entitled "Buy American Act--Free Trade Agreements--Israeli Trade Act--Balance of Payments Program." The

offeror shall list as other foreign end products those end products manufactured in the United States that do not qualify as domestic end products.

Other Foreign End Products

LINE ITEM NO COUNTRY OF ORIGIN

___ Insert line item numbers and country of origin, as applicable.

(iv) The Government will evaluate offers in accordance with the policies and procedures of FAR Part 25.

(2) Buy American Act-Free Trade Agreements-Israeli Trade Act Certificate, Alternate I (Jan 2004). If Alternate I to the clause at FAR 52.225-3 is included in this solicitation, substitute the following paragraph (g)(1)(ii) for paragraph (g)(1)(ii) of the basic provision:

(g)(1)

(ii) The offeror certifies that the following supplies are Canadian end products as defined in the clause of this solicitation entitled "Buy American Act-Free Trade Agreements-Israeli Trade Act":

Canadian End Products

Line Item No.:

[List as necessary]

(3) Buy American Act-Free Trade Agreements-Israeli Trade Act Certificate, Alternate II (Jan 2004). If Alternate II to the clause at FAR 52.225-3 is included in this solicitation, substitute the following paragraph (g)(1)(ii) for paragraph (g)(1)(ii) of the basic provision:

(g)(1)(ii) The offeror certifies that the following supplies are Canadian end products or Israeli end products as defined in the clause of this solicitation entitled ``Buy American Act--Free Trade Agreements--Israeli Trade Act":

Canadian or Israeli End Products

Line Item No.: Country of Origin:

___ [List as necessary]

(4) Trade Agreements Certificate. (Applies only if the clause at FAR 52.225-5, Trade Agreements, is included in this solicitation.)

(i) The offeror certifies that each end product, except those listed in paragraph (g)(4)(ii) of this provision, is a U.S.-made, designated country, Caribbean Basin country, or FTA country end product, as defined in the clause of this solicitation entitled ``Trade Agreements."

(ii) The offeror shall list as other end products those end products that are not U.S.-made, designated country, Caribbean Basin country, or FTA country end products.

Other End Products

Line Item No.: Country of Origin:

___ [List as necessary]

(iii) The Government will evaluate offers in accordance with the policies and procedures of FAR Part 25. For line items subject to the Trade Agreements Act, the Government will evaluate offers of U.S.-made, designated country, Caribbean Basin country, or FTA country end products without regard to the restrictions of the Buy American Act. The Government will consider for award only offers of U.S.-made, designated country, Caribbean Basin country, or FTA country end products unless the Contracting Officer determines that there are no offers for such products or that the offers for such products are insufficient to fulfill the requirements of the solicitation.

(h) Certification Regarding Debarment, Suspension or Ineligibility for Award (Executive Order 12549). (Applies only if the contract value is expected to exceed the simplified acquisition threshold.) The offeror certifies, to the best of its knowledge and belief, that the offeror and/or any of its principals--

(1) ☐ Are, ☐ are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency; and

(2) ☐ Have, ☐ have not, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a Federal, state or local government contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or Commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(3) ☐ Are, ☐ are not presently indicted for, or otherwise criminally or civilly charged by a Government entity with, commission of any of these offenses.

(i) Certification Regarding Knowledge of Child Labor for Listed End Products (Executive Order 13126). (The Contracting Officer must list in paragraph (i)(1) any end products being acquired under this solicitation that are included in the List of Products Requiring Contractor Certification as to Forced or Indentured Child Labor, unless excluded at 22.1503(b).

(1) Listed end products.

none

none

(2) Certification. If the Contracting Officer has identified end products and countries of origin in paragraph (i)(1) of this provision, then the offeror must certify to either (i)(2)(i) or (i)(2)(ii) by checking the appropriate block.

(i) ☐ The offeror will not supply any end product listed in paragraph (i)(1) of this provision that was mined, produced, or manufactured in the corresponding country as listed for that product.

(ii) ☐ The offeror may supply an end product listed in paragraph (i)(1) of this provision that was mined, produced, or manufactured in the corresponding country as listed for that product. The offeror certifies that it has made a good faith effort to determine whether forced or indentured child labor was used to mine, produce, or manufacture any such end product furnished under this contract. On the basis of those efforts, the offeror certifies that it is not aware of any such use of child labor.

Alternate I (Apr 2002). As prescribed in 12.301(b)(2), add the following paragraph (c)(11) to the basic provision:

(11) (Complete if the offeror has represented itself as disadvantaged in paragraph (c)(4) or (c)(9) of this provision.) [The offeror shall check the category in which its ownership falls]:

☐ Black American.

☐ Hispanic American.

☐ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

☐ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory or the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

☐ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

☐ Individual/concern, other than one of the preceding.

4. DFARS 252.209-7001 DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A TERRORIST COUNTRY (Mar 1998)

(a) Definitions. As used in this provision-

(1) "Government of a terrorist country" includes the state and the government of a terrorist country, as well as any political subdivision, agency, or instrumentality thereof.

(2) "Terrorist country" means a country determined by the Secretary of State, under section 6(j)(1)(A) of the Export Administration Act of 1979 (50 U.S.C. App. 2405(j)(i)(A)), to be a country the government of which has repeatedly provided support for acts of international terrorism. As of the date of this provision, terrorist countries include: Cuba, Iran, Iraq, Libya, North Korea, Sudan, and Syria.

(3) "Significant interest" means--

(i) Ownership of or beneficial interest in 5 percent or more of the firm's or subsidiary's securities. Beneficial interest includes holding 5 percent or more of any class of the firm's securities in "nominee shares," "street names," or some other method of holding securities that does not disclose the beneficial owner;

(ii) Holding a management position in the firm, such as a director or officer;

(iii) Ability to control or influence the election, appointment, or tenure of directors or officers in the firm;

(iv) Ownership of 10 percent or more of the assets of a firm such as equipment, buildings, real estate, or other tangible assets of the firm; or

(v) Holding 50 percent or more of the indebtedness of a firm.

(b) Prohibition on award. In accordance with 10 U.S.C. 2327, no contract may be awarded to a firm or a subsidiary of a firm if the government of a terrorist country has a significant interest in the firm or subsidiary or, in the case of a subsidiary, the firm that owns the subsidiary, unless a waiver is granted by the Secretary of Defense.

(c) Disclosure. If the government of a terrorist country has a significant interest in the Offeror or a subsidiary of the Offeror, the Offeror shall disclose such interest in an attachment to its offer. If the Offeror is a subsidiary, it shall also disclose any significant interest the government of a terrorist country has in any firm that owns or controls the subsidiary. The disclosure shall include--

- (1) Identification of each government holding a significant interest; and
- (2) A description of the significant interest held by each Government.

**5. DFARS 252.212-7000 OFFEROR REPRESENTATIONS AND CERTIFICATIONS--
COMMERCIAL ITEMS (Nov 1995)**

(a) Definitions. As used in this clause--

(1) "Foreign person" means any person other than a United States person as defined in Section 16(2) of the Export Administration Act of 1979 (50 U.S.C. App. Sec. 2415).

(2) "United States person" is defined in Section 16(2) of the Export Administration Act of 1979 and means any United States resident or national (other than an individual resident outside the United States and employed by other than a United States person), any domestic concern (including any permanent domestic establishment of any foreign concern), and any foreign subsidiary or affiliate (including any permanent foreign establishment) of any domestic concern which is controlled in fact by such domestic concern, as determined under regulations of the President.

(b) Certification. By submitting this offer, the Offeror, if a foreign person, company or entity, certifies that it--

- (1) Does not comply with the Secondary Arab Boycott of Israel; and
- (2) Is not taking or knowingly agreeing to take any action, with respect to the Secondary Boycott of Israel by Arab countries, which 50 U.S.C. App. Sec. 2407(a) prohibits a United States person from taking.

(c) Representation of Extent of Transportation by Sea. (This representation does not apply to solicitations for the direct purchase of ocean transportation services).

(1) The Offeror shall indicate by checking the appropriate blank in paragraph (c)(2) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term "supplies" is defined in the Transportation of Supplies by Sea clause of this solicitation.

(2) Representation. The Offeror represents that it--

_____ Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

_____ Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(3) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense Federal Acquisition Regulation Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.